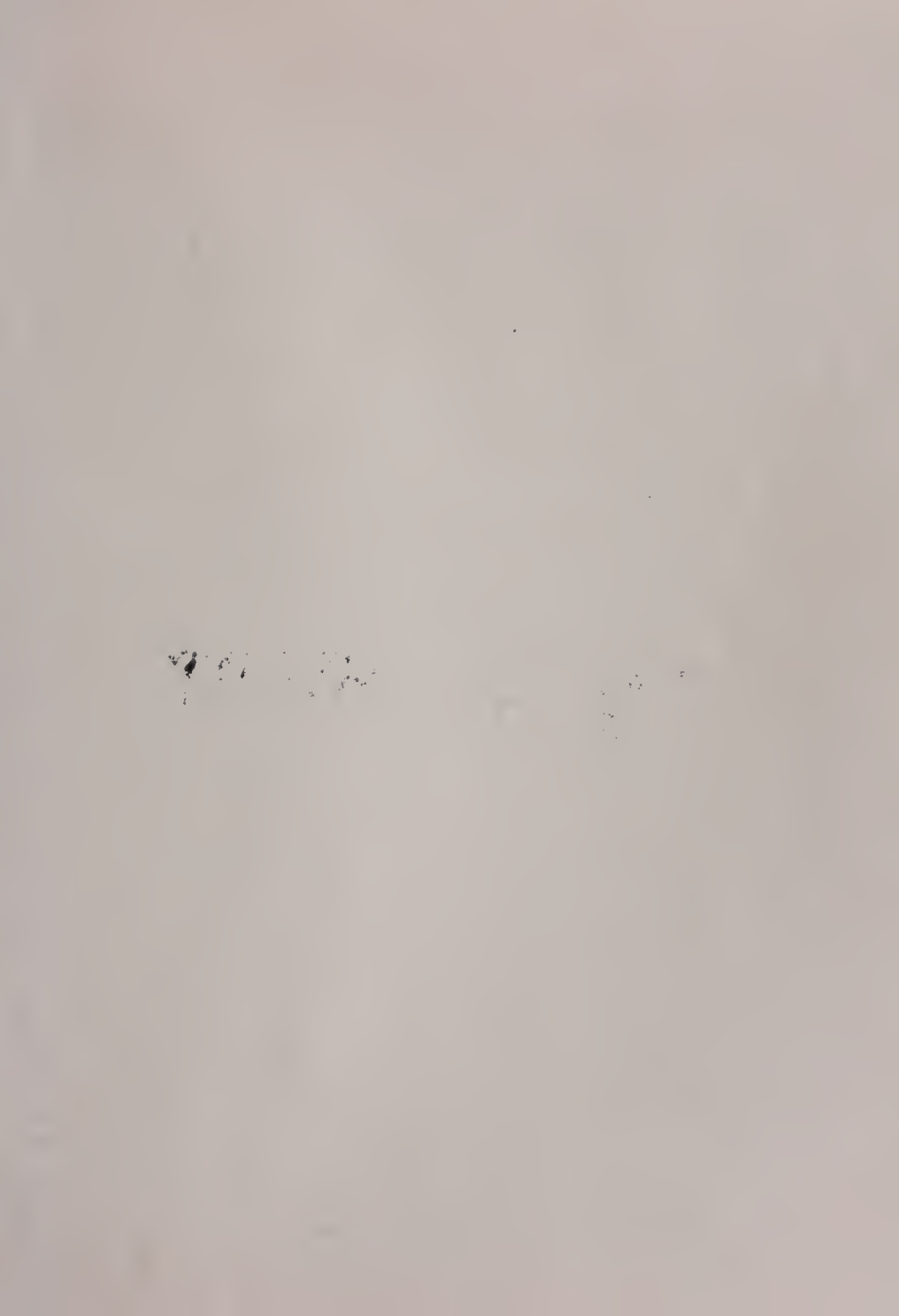
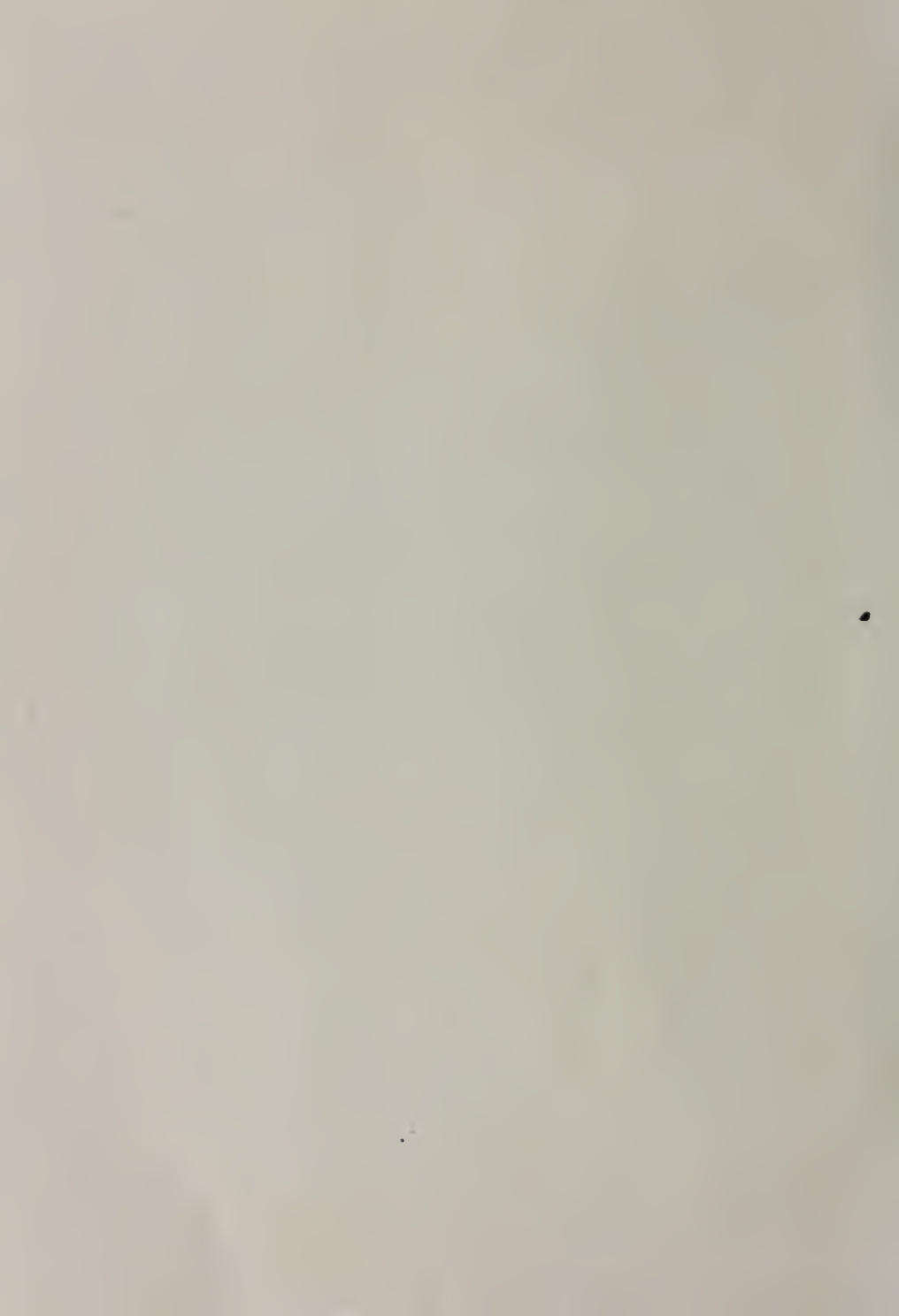




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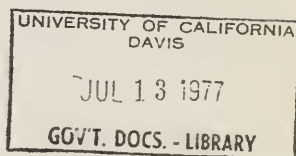
BULLETIN No. 130-75

1978

REC'D

# HYDROLOGIC DATA: 1975

Volume II: NORTHEASTERN CALIFORNIA



MAY 1977

CLAIRE T. DEDRICK  
Secretary for Resources  
The Resources Agency

EDMUND G. BROWN JR.  
Governor  
State of California

RONALD B. ROBIE  
Director  
Department of Water Resources



STATE OF CALIFORNIA  
The Resources Agency  
Department of Water Resources

BULLETIN No. 130-75

HYDROLOGIC DATA: 1975  
Volume II: NORTHEASTERN CALIFORNIA

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MAY 1977

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*Secretary for Resources*  
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*Director*  
Department of Water Resources

Appendix A:	Climatological Data
Appendix B:	Surface Water Measurements
Appendix C:	Ground Water Measurements
Appendix D:	Surface Water Quality Data
Appendix E:	Ground Water Quality Data

THIS VOLUME :

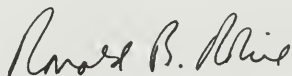


## FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-75 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for monitoring environmental conditions as well as effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series has been published annually in five volumes since 1963. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.

This Bulletin No. 130-75 is the last of this series to be published. It is to be replaced with a statewide hydrologic data index, which will show what data are available and where they may be obtained.



Ronald B. Robie, Director  
Department of Water Resources  
The Resources Agency  
State of California

# CONVERSION FACTORS

## English to Metric System of Measurement

Quantity	English unit	Multiply by	To get metric equivalent
Length	inches (in)	25.4	millimetres (mm)
		.0254	metres (m)
	feet (ft)	.3048	metres (m)
	miles (mi)	1.6093	kilometres (km)
Area	square inches (in <sup>2</sup> )	$6.4516 \times 10^{-4}$	square metres (m <sup>2</sup> )
	square feet (ft <sup>2</sup> )	.092903	square metres (m <sup>2</sup> )
	acres	4046.9	square metres (m <sup>2</sup> )
		.40469	hectares (ha)
		.40469	square hectometres (hm <sup>2</sup> )
		.0040469	square kilometres (km <sup>2</sup> )
	square miles (mi <sup>2</sup> )	2.590	square kilometres (km <sup>2</sup> )
Volume	gallons (gal)	3.7854	litres (l)
		.0037854	cubic metres (m <sup>3</sup> )
	million gallons (10 <sup>6</sup> gal)	3785.4	cubic metres (m <sup>3</sup> )
	cubic feet (ft <sup>3</sup> )	.028317	cubic metres (m <sup>3</sup> )
	cubic yards (yd <sup>3</sup> )	.76455	cubic metres (m <sup>3</sup> )
	acre-feet (ac-ft)	1233.5	cubic metres (m <sup>3</sup> )
		.0012335	cubic hectometres (hm <sup>3</sup> )
		$1.233 \times 10^{-6}$	cubic kilometres (km <sup>3</sup> )
Volume/Time (Flow)			
	cubic feet per second (ft <sup>3</sup> /s)	28.317	litres per second (l/s)
		.028317	cubic metres per second (m <sup>3</sup> /s)
	gallons per minute (gal/min)	.06309	litres per second (l/s)
		$6.309 \times 10^{-5}$	cubic metres per second (m <sup>3</sup> /s)
Mass	million gallons per day (mgd)	.043813	cubic metres per second (m <sup>3</sup> /s)
	pounds (lb)	.45359	kilograms (kg)
	tons (short, 2,000 lb)	.90718	tonne (t)
Power		907.18	kilograms (kg)
	horsepower (hp)	0.7460	kilowatts (kW)
Pressure	pounds per square inch (psi)	6894.8	pascal (Pa)
Temperature	Degrees Fahrenheit (°F)	$\frac{t_F - 32}{1.8} = t_C$	Degrees Celsius (°C)



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Water Resources Evaluation Section

## ACKNOWLEDGMENTS

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Arcade Water District  
Butte County  
California Water Service Company  
City of Sacramento  
City of Stockton

Colusa County  
East Bay Municipal Utility District  
Glenn County  
Lake County  
National Weather Service

Pacific Gas and Electric Company  
Placer County  
Sacramento County  
Sacramento Municipal Utility District  
San Joaquin County

Solano County  
South San Joaquin Irrigation District  
South Sutter Water District  
Stockton-East Water District  
Sutter County

Tehama County  
U. S. Army, Corps of Engineers  
U. S. Bureau of Reclamation  
U. S. Forest Service  
U. S. Geological Survey

Yolo County  
Yuba County



## INTRODUCTION

This bulletin contains data regarding climate, surface water, ground water levels, and surface and ground water quality. The data were collected by the Department of Water Resources and by various organizations cooperating with the Department.

The Department's files contain some data that currently are not being published. Inquiries regarding local data should be directed to the District Offices listed as follows:

Central District  
P. O. Box 160088  
3251 S Street  
Sacramento, CA 95816

San Joaquin District  
P. O. Box 5710  
3374 East Shields Avenue  
Fresno, CA 93755

Northern District  
P. O. Box 607  
2440 Main Street  
Red Bluff, CA 96080

Southern District  
P. O. Box 6598  
849 South Broadway  
Los Angeles, CA 90055

Inquiries regarding statewide data should be directed to the Division Office:

Division of Planning  
P. O. Box 388  
1416 Ninth Street  
Sacramento, CA 95802

Federal and local agencies also are maintaining substantial data files. A partial listing follows:

### Federal Agencies

U. S. Army, Corps of Engineers  
Sacramento District  
650 Capitol Mall  
Sacramento, CA 95814

U. S. Department of the Interior  
Geological Survey  
Water Resources Division  
2800 Cottage Way  
Sacramento, CA 95825

U. S. Department of the Interior  
Geological Survey  
Water Resources Division  
855 Oak Grove Avenue  
Menlo Park, CA 94025

U. S. Department of the Interior  
Bureau of Reclamation  
Mid-Pacific Regional Office  
2800 Cottage Way  
Sacramento, CA 95825

U. S. Department of the Interior  
Geological Survey  
Water Resources Division  
705 North Plaza Street  
Carson City, NV 89701

Local Agencies

East Bay Municipal Utility  
District  
Mokelumne Area Representative  
P. O. Box 61  
Lodi, CA 95240

Pacific Gas & Electric Company  
5555 Florin-Perkins Road  
Sacramento, CA 95826

County of Sacramento  
Department of Public Works  
Water Resources Division  
827-7th Street  
Sacramento, CA 95814

Sacramento Municipal Utility  
District  
P. O. Box 15830  
6201 S Street  
Sacramento, CA 95813

San Joaquin County Flood Control  
and Water Conservation District  
P. O. Box 1810  
Stockton, CA 95201

## Appendix A

### CLIMATOLOGICAL DATA

This appendix contains precipitation data for certain climate stations and storage gages for the 1975 water year, October 1, 1974, through September 30, 1975. Additional precipitation data, as well as data concerning air temperature, wind, and evaporation, are available in the National Weather Service's publications "Climatological Data - California"; "Hourly Precipitation Data - California"; and, for particular key stations, "Local Climate Data". These publications can be obtained from:

Superintendent of Documents  
Government Printing Office  
Washington, D. C. 20402

Other agencies within the area covered by this report have established their own supplemental rain gage networks. Some of these agencies are: California Department of Parks and Recreation; East Bay Municipal Utility District; Pacific Gas and Electric Company; Sacramento County Division of Water Resources; Sacramento Municipal Utility District; Tehama County Flood Control and Water Conservation District.

Each station in this appendix has been assigned an identification number. The letter and first digit denote the hydrographic unit as shown below. The remaining digits denote the alphabetical sequence of the station. A complete list of stations is contained in Bulletin No. 165, Index of Climatological Stations in California, 1971.

#### Sacramento River Basin

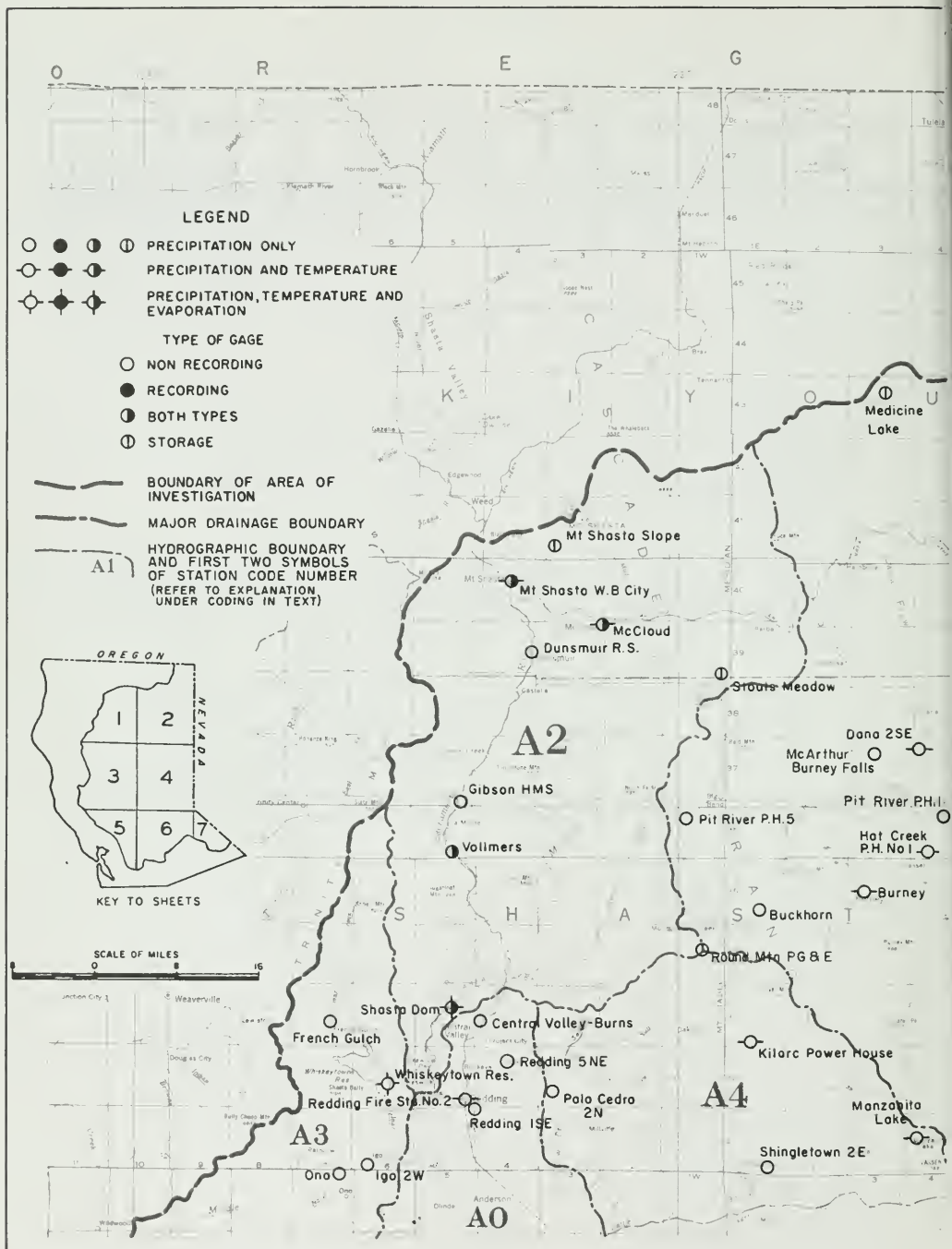
A0	Sacramento Valley Floor
A1	Pit River
A2	Shasta Lake
A3	Sacramento Valley Westside
A4	Sacramento Valley Northeast
A5	Feather River
A6	Yuba-Bear Rivers
A7	American River
A8	Cache Creek
A9	Putah Creek

#### San Joaquin River Basin

B0	San Joaquin Valley Floor
B1	Cosumnes River
B2	Mokelumne-Calaveras Rivers
B8	San Joaquin Valley Westside
B9	Sacramento-San Joaquin Delta

#### North Lahontan Area

G1	Surprise Valley
G2	Madeline Plains
G3	Eagle Lake
G4	Susan River
G5	Smoke River
G6	Herlong
G7	Truckee River
G8	Carson River
G9	Walker River

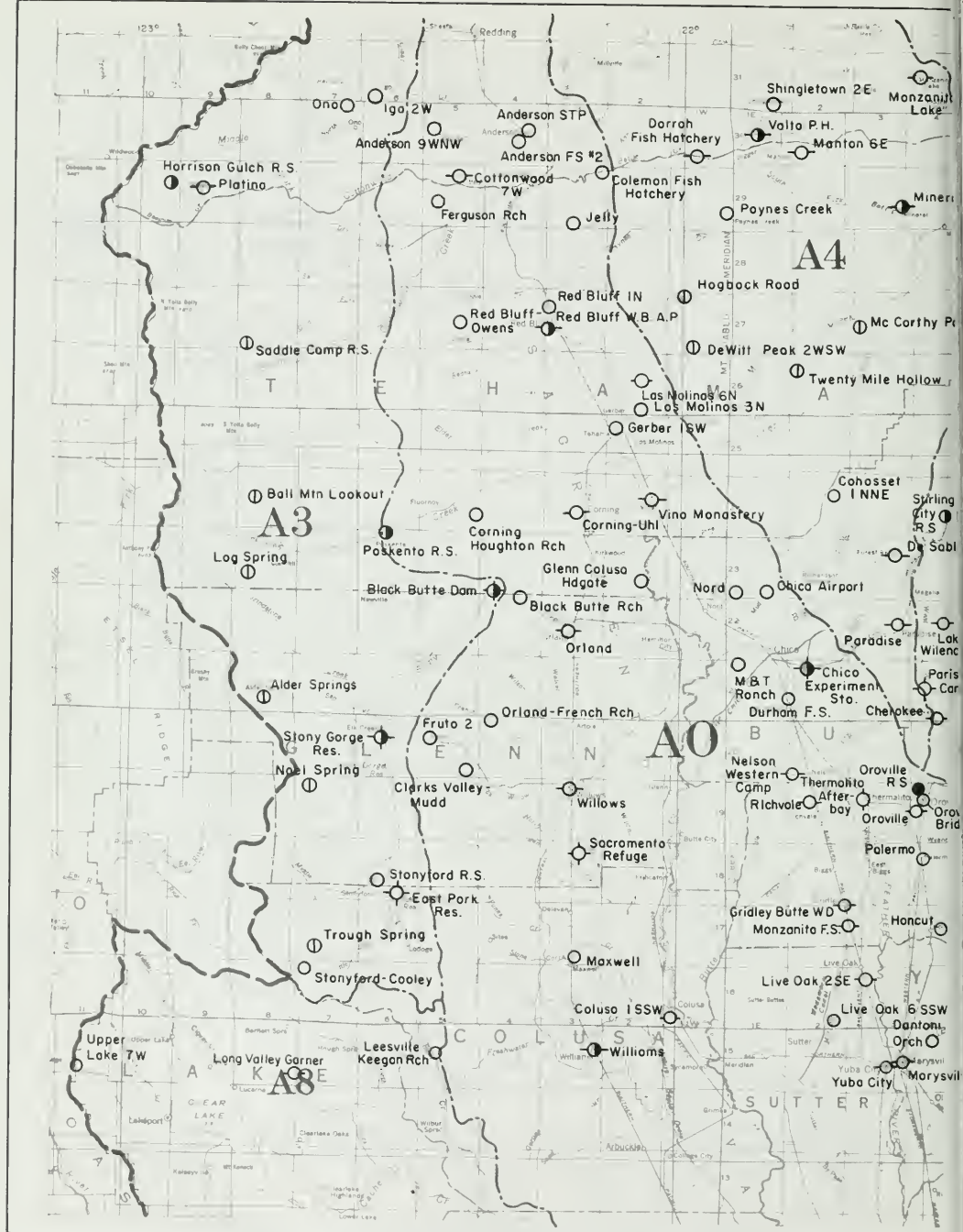


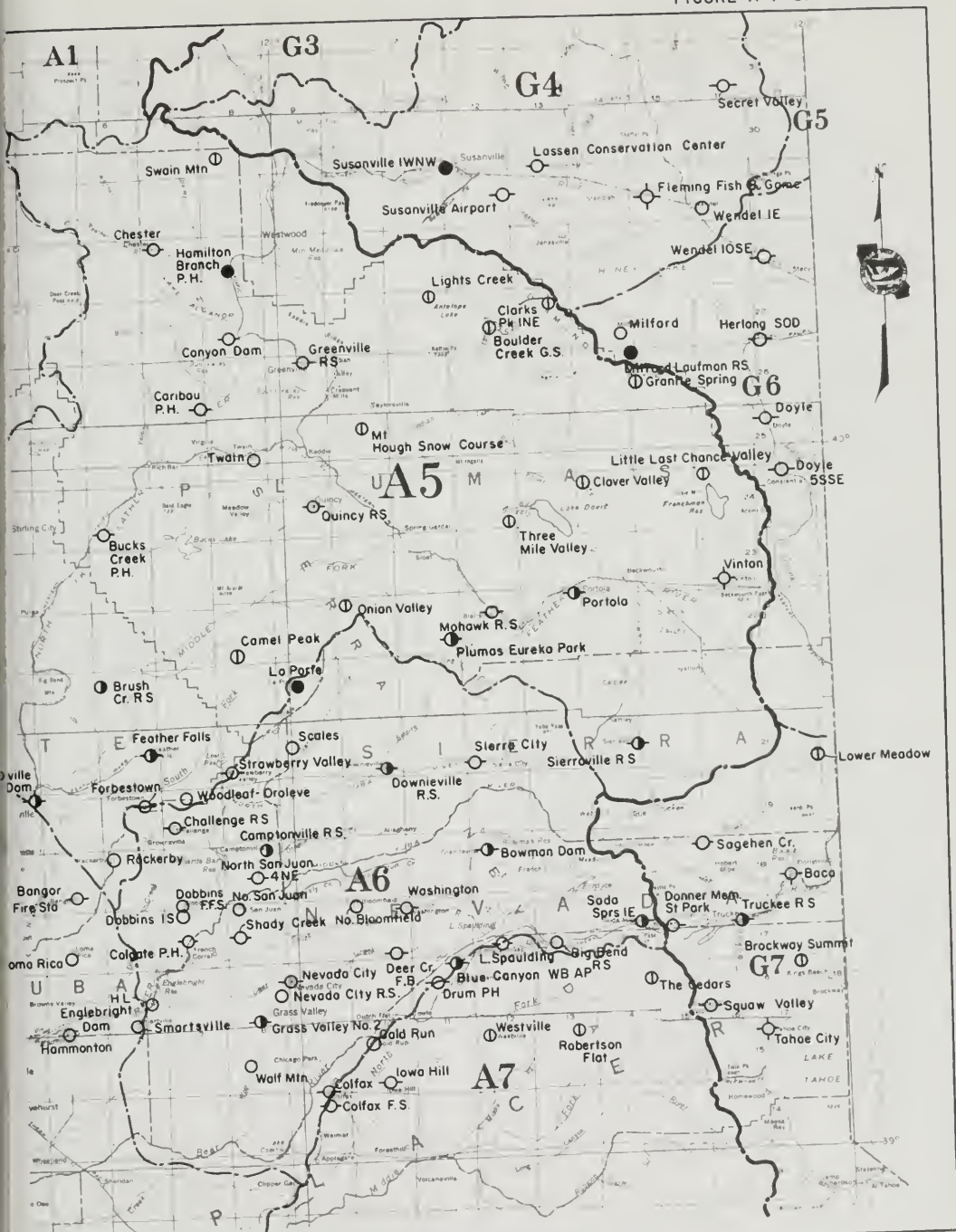




1975

FIGURE A-1 SHEET 3 OF 7











CLIMATOLOGICAL OBSERVATION STATIONS

1975

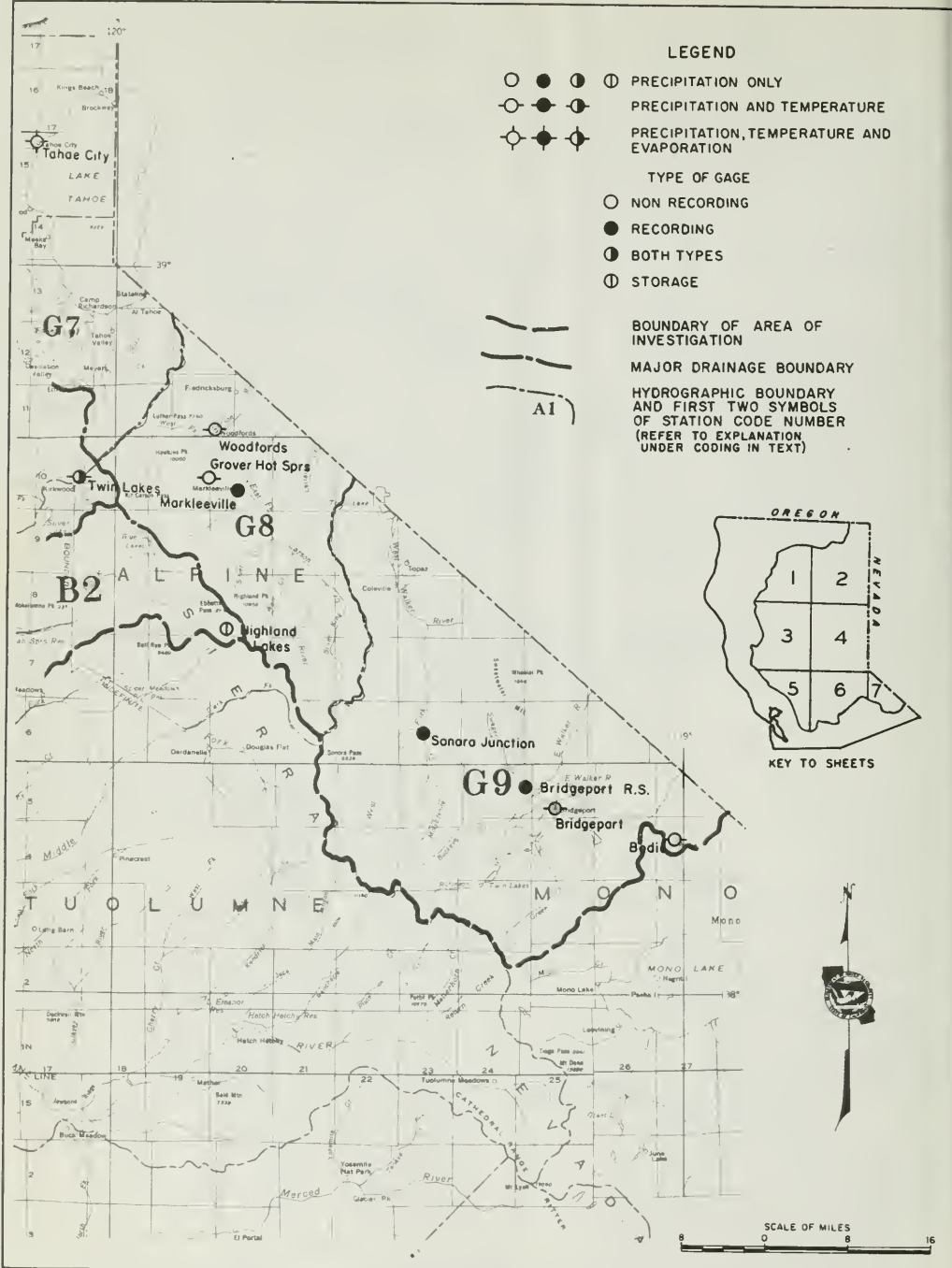


TABLE A-1

PRECIPITATION IN NORTHEASTERN CALIFORNIA  
DURING WATER YEAR 1975

This table summarizes monthly precipitation totals for selected stations for the 1975 water year, October 1, 1974, through September 30, 1975. The table shows each station's assigned number in accordance with the explanation given in the introduction to this appendix. Location is shown by latitude and longitude in degrees to the third decimal.

Precipitation values are shown to the nearest hundredth (.01) of an inch. Where digital recording rain gages that record to only the nearest tenth (.1) of an inch are used, a zero is shown in the second decimal place. The following notations are used to qualify the values:

.00-	No record or incomplete record
B	Record began
E	Wholly or partially estimated
N	Record ends
.00T	Trace, an amount too small to measure

The county code for each station is shown below:

Alameda	60	Marin	21	San Mateo	41
Alpine	02	Mariposa	22	Santa Barbara	42
Amador	03	Mendocino	23	Santa Clara	43
Butte	04	Merced	24	Santa Cruz	44
Calaveras	05	Modoc	25	Shasta	45
Colusa	06	Mono	26	Sierra	46
Contra Costa	07	Monterey	27	Siskiyou	47
Del Norte	08	Napa	28	Solano	48
El Dorado	09	Nevada	29	Sonoma	49
Fresno	10	Orange	30	Stanislaus	50
Glenn	11	Placer	31	Sutter	51
Humboldt	12	Plumas	32	Tehama	52
Imperial	13	Riverside	33	Trinity	53
Inyo	14	Sacramento	34	Tulare	54
Kern	15	San Benito	35	Tuolumne	55
Kings	16	San Bernardino	36	Ventura	56
Lake	17	San Diego	90	Yolo	57
Lassen	18	San Francisco	80	Yuba	58
Los Angeles	70	San Joaquin	39		
Madera	20	San Luis Obispo	40	Oregon	61
				Nevada (State)	62
				Arizona	63
				Mexico	64



TABLE A-1 (Cont.)

## PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CD	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
25	A10002900	41.700	120.950	4193	ADIN RS	15.05	.88	.84	1.87	.56	4.34	1.62	2.63	.06	1.27	.34	1.16	.08
68	88001463	37.743	121.587	300	ALTAHONT AE	11.12	.64	.30	1.59	.46	3.04	3.75	.94	.00	.007	.00	.40	.00
5	B20014100	41.800	120.560	1545	ALTAVILLE CDF	.00	2.58	2.28	.00	2.48	6.06	8.36	2.56	.45	.25	.02	1.12	.00
5	B20115005	41.000	120.000	600	ALTAVILLE MILITARY RCH	36.03	2.73	2.13	5.00	1.96	7.19	8.44	2.68	.31	.07	.44	.79	.00
25	A10013500	41.000	120.531	1400	ALTAVILLE COPCD	10.11	.55	.30	1.63	.80	2.17	1.24	1.89	.20	.28	.82	.57	.06
25	A100115900	41.500	120.400	4900	ALTUNAS 7 ESE	14.16	.98	.44	1.85	1.12	2.12	1.33	2.25	.68	1.16	.48	1.32	.38
25	A100115108	41.500	120.400	4365	ALTUNAS RS	10.00	.00	.00	1.46	1.53	2.47	1.24	1.45	.15	.80	.19	.54	.00
45	A00020000	40.447	122.298	430	ANDERSON S #2	25.88	2.42	.89	4.02	2.11	5.89	7.26	2.87	.15	.05	.20	1.00	.02
45	A00020110	41.455	122.456	850	ANDERSON 9WNV	36.75	2.14	.87	6.99	1.82	9.38	11.15	2.28	.26	.13	.46	.55	.02
45	A00020130	41.465	122.272	400	ANDERSON STP	.00	.00	.00	.00	.00	5.91	7.35	1.35	.00	.00	.00	.00	.00
7	890022703	34.013	121.770	20	ANTIOCH FIREBRO MILL	11.04	.76	.26	.96	1.61	3.11	3.97	.84	.00	.00	.09	.06	.00
7	880023200	37.083	121.727	6	ANTIOCH PUMP PLANT 3	11.09	.68	.25	1.92	.60	2.84	4.29	.85	.00	.03	.17	.06	.00
34	A00025534	34.593	121.367	100	ANTIOCH PARK CRESTA PARK	63.50	3.0	3.30	4.80	8.50	15.60	16.10	8.90	.90	.00	.10	.20	.10
31	A70038100	34.499	121.061	1292	AUBURN	31.39	1.88	2.42	3.01	3.00	8.89	8.05	2.83	.45	.26	.00	.65	.00
31	A70038500	36.003	121.054	1056	AUBURN DIV OF FORESTRY	30.77	1.84	1.98	2.80	2.99	7.86	8.20	2.99	.30	.24	.00	.56	.05
04	A60049100	39.190	121.467	75	BANGOR FIRE STATION	32.91	1.94	2.11	3.12	2.15	12.55	7.95	2.29	.25	.19	.00	.25	.08
45	A80050600	40.435	122.133	422	BATTLE CREEK ARD	27.00	2.20	1.40	.80	3.50	5.50	4.90	2.50	.70	.40	.14	1.00	.00
29	A90070500	34.551	122.225	46	BERREYSSEA LAKE	26.74	.89	.00	.57	.70	11.25	6.83	1.27	.07	.05	.14	.07	.00
18	A10073100	41.121	121.140	4130	BIEBER	.00	.85	.57	1.07	.00	.00	1.91	2.35	.27	.81	.20	.88	.09
52	A30084011	35.808	121.622	14	BLACK BUTTE DAM	16.93	1.64	.45	4.33	.50	5.49	3.35	.05	.00	.00	.89	.23	.00
11	A00084100	39.788	122.303	375	BLACK BUTTE RANCH	21.12	1.68	.82	.47	.55	5.99	4.98	.90	.05	.00	1.07	.38	.00
09	A70089300	39.009	120.466	414	BLODMETT ACP FOREST	17.44	.30	.40	2.33	2.70	7.05	8.87	.80	.00	.00	.10	.20	.10
31	A70089700	39.278	120.707	5280	BLUE CANYON WP AR	66.27	4.36	3.13	4.84	7.50	17.30	10.32	7.45	1.29	.73	.23	.31	.02
29	G70093100	39.488	120.092	5575	BOCA	23.39	1.03	1.56	1.74	1.58	5.90	6.86	1.69	.29	.51	.00	1.30	.93
26	G90094300	39.212	119.012	4374	BODIE	13.92	1.15	.78	1.28	.81	2.34	3.96	.91	.93	.06	.64	.70	.44
29	A60111800	34.400	120.956	5347	BOMMAN DAM	65.01	3.58	3.60	4.10	7.12	16.66	10.40	6.51	1.70	.88	.25	1.13	.28
34	890104300	34.108	121.696	35	BRANNAN ISLAND	15.81	1.07	.53	2.46	.81	5.28	4.20	1.17	.00	.07	.11	.18	.00
07	A10115950	37.920	121.678	95	BRENTWOOD CORP YARD	11.29	.61	.35	1.86	.44	2.44	4.48	.76	.00	.03	.13	.14	.00
7	880106000	37.883	121.774	325	BRENTWOOD 65W	15.28	.60	.23	1.94	1.47	3.66	5.35	1.71	.00	.06	.09	.17	.00
26	G901107200	36.255	119.227	6470	BRIDGEPORT	12.14	1.18	.50	.98	.25	3.60	2.68	.92	.10	.09	.20	1.04	.60
26	G901107600	34.276	119.288	6561	BRIDGEPORT R S	.00	1.10	.42	1.55	.41	.00	.00	.00	.00	.22	.08	.00	.00
57	A80111200	34.414	122.154	704	BURNSIDE FARMH RANCH	17.44	.30	.40	2.33	2.70	7.05	8.87	.80	.00	.00	.10	.20	.10
04	A50113100	39.671	121.338	556	BRUSH CREEK R S	60.47	3.33	.45	6.03	4.86	20.04	13.59	4.82	.85	.54	.48	2.08	.40
45	A10114900	40.466	121.850	4771	BUCKHORN	61.79	2.96	3.27	6.61	4.71	15.91	10.41	7.50	.82	1.28	.58	1.74	.00
32	A50115950	39.911	121.326	1765	BUCKS CREEK PH	63.34	1.84	3.64	.68	5.15	20.14	16.62	5.53	.74	.70	.09	1.85	.19
45	A10121400	40.483	121.466	3127	BURNEY	21.30	1.14	1.34	3.68	.86	6.34	2.92	2.89	.14	.81	.37	.69	.12
5	B20127700	39.277	120.368	4696	CAVALERAS BIG TREES	90.48	4.77	3.04	5.44	5.84	15.50	15.05	7.82	.77	.45	.14	1.46	.20
5	B20142600	36.250	120.843	656	CAMP PAROE	20.29	1.66	1.42	1.77	1.33	4.58	5.89	2.10	.09	.04	.09	1.31	.01
58	A60146200	39.451	121.046	2755	CAMPOTONVILLE W S	.00	.00	2.70	3.50	.67	.00	14.00	.00	.00	.00	.20	1.50	.10
25	A10147600	41.455	120.866	4312	CANYO RS	13.19	.39	.36	2.03	.68	3.31	1.81	2.49	.20	.49	.20	.17	.16
32	A50149700	40.171	121.886	555	CANYON DAM	11.34	1.72	.32	3.97	2.22	13.01	11.06	3.88	.82	.63	.07	1.45	.19
57	A80150000	39.425	122.114	704	CARSON	22.49	.49	.40	2.83	2.70	7.05	8.87	.80	.00	.00	.10	.20	.10
32	A50152200	40.086	121.417	2986	CARSON PH	40.85	1.70	2.32	.47	4.05	12.71	11.28	3.51	.71	.70	.10	1.05	.25
34	A00154340	34.646	121.317	135	CARMICHAEL JAN DRIVE	.00	1.36	1.24	2.78	1.35	5.81	4.42	1.37	.00	.00	.00	.00	.00
39	A80156300	37.434	121.505	515	CASTLE ROCK PADATION	12.55	.83	.73	1.99	.59	2.61	3.52	1.23	.00	.00	.04	.95	.07
25	G10161400	41.528	120.173	4671	CEADARVILLE	12.55	.44	.55	1.53	1.47	2.24	1.34	1.31	.58	.67	1.32	1.02	.03
51	G1016145	41.439	120.097	458	CEADARVILLE HANSEN	.00	.00	.34	.82	.64	1.13	1.11	.80	.34	.45	.00	.00	.00
34	A60163401	34.476	122.365	135	CEADAR VALLEY BURNS	54.24	2.65	1.97	3.12	2.49	9.55	16.64	4.48	.70	.23	.85	.34	.00
34	A60163501	34.416	121.366	38	CENTRAL VALLEY HATCHER	18.30	1.21	1.51	2.38	.51	6.12	6.66	1.33	.00	.02	.07	.49	.00
58	A60165300	40.483	121.222	2560	CHALLENGE R S	62.12	2.36	3.50	3.60	4.68	21.76	18.09	6.52	.82	.51	.13	.59	.17
04	A50169300	39.435	121.526	1355	CHEROKEE	41.46	2.12	2.56	.45	2.82	14.79	11.19	3.80	.37	.21	.17	.42	.20
32	A50170000	40.105	121.227	4525	CHESTER	32.04	1.20	1.07	3.00	2.38	11.99	7.51	2.39	.01	.41	.15	1.52	.41
04	A00171500	39.700	121.783	205	CHICO EXPERIMENT STA	23.93	2.09	1.33	.38	1.29	7.68	5.39	1.18	.02	.00	.15	.38	.04
04	A00171601	39.798	121.853	220	CHICO AIRPORT	25.05	1.67	1.18	5.34	1.59	7.67	6.52	.78	.00	.03	.70	.34	.03
34	A00173610	38.707	121.296	138	CITRUS HEIGHTS	21.19	1.25	1.45	.325	1.65	6.53	4.94	1.65	.02	.08	.00	.29	.08
34	A00173730	38.705	121.308	140	CITRUS HTS NAVION DRIV	.00	1.38	1.49	3.05	2.11	7.65	4.80	1.52	.00	.00	.00	.00	.00
57	A90178400	38.416	121.533	14	CLARKSBURG	.00	1.07	1.22	3.24	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	A00179500	38.448	122.398	411	CLARKS VALLY MUDD	18.20	1.14	.00	4.30	.23	6.20	5.12	.60	.00	.00	.38	.17	.88
17	A80180600	34.966	122.650	1320	CLEARLAKE MOUNTS	25.82	1.21	.73	.453	1.28	8.86	7.64	1.15	.00	.04	.19	.19	.00
17	A80180800	34.824	122.721	2520	CORA	69.30	2.23	3.44	11.49	2.21	26.08	19.84	3.51	.15	.03	.18	.16	.00
07	A40189100	40.054	121.719	3180	COMASSET 1 NNE	59.42	3.02	3.31	2.13	2.71	16.53	16.47	4.84	.18	.43	.39	1.01	.00
07	A40190700	40.040	122.133	429	COLEMAN FIRE HATCHERY	25.94	2.74	1.47	4.44	1.84	7.21	4.89	2.17	.00	.43	.21	.54	.00
31	A70191200	39.998	120.952	2418	COLFAX	10.81	2.31	2.59	4.28	.51	13.79	12.15	4.83	.61	.60	.04	1.68	.02
31	A70191251	39.999	120.946	2350	COLFAX FIRE STATION	.00	2.04	2.70	4.20	3.94	.09	12.29	3.68	.53	.59	.03	.00	.04
58	A90191600	39.433	121.188	585	COLGATE POWER HOUSE	38.41	1.89	2.20	2.96	4.38	12.81	9.52	3.32	.24	.31	.67	.69	.02
09	A70192200	38.401	120.891	710	COLMA	29.79	2.60	4.49	2.57	2.34	8.59	7.09	2.87	.39	.10	.02	.73	.00
05	A00194800	39.200	122.016	50	COLUSA 1 SSW	15.58	1.25	.35	3.35	.62	5.10	3.99	.52	.02	.00	.12	.00	.02
09	A70195800	38.483	121.016	1529	COOL	31.05	2.19	2.19	2.28	3.29	8.67	7.84	3.48	.40	.18	.00	.53	.00
52	A0022393	40.009	121.994	170	CORNING UHL	22.45	1.98	1.17	.33	1.20	5.38	4.92	1.94	.07	.00	1.02	.44	.00
52	A00227200	39.903	122.366	487	CORNING COLUMBIA RCH	22.92	2.02	.63	5.11	.50	6.11	6.37	.97	.00	.00	.17	.33	.00
45	A00227400	40.776	122.408</															



# PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO STA NO		LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
57	A00256800	38.885	121.965	65	DUNNIGAN	22.85	1.29	.51	3.84	1.58	9.43	5.07	.80	.01	.01	.14	.17	.00	
57	A00256900	38.887	121.968	104	DUNNIGAN POWERS HCM	16.14	1.07	.28	3.93	1.64	4.47	7.60	.63	.00	.03	.12	.22	.00	
57	A00257000	38.887	122.078	2420	DUNNIGAN P 5	54.16	2.36	1.68	8.50	3.28	15.44	18.11	3.37	.03	.55	.44	.63	.03	
57	A00257100	38.887	121.790	115	DURHAM FIRE STATION	24.62	1.75	1.44	1.12	1.13	8.12	5.47	1.75	.01	.03	.14	.32	.04	
58	A03295902	.45	120.772	5121	ECLAIR LAKE NELSON	15.72	.74	.82	1.16	.42	6.02	2.67	2.07	.19	.27	.35	.77	.24	
58	A03296000	38.766	122.515	1205	EAST PARK RESERVOIR	19.08	.74	.23	4.18	.42	6.90	5.37	.85	.00	.00	.20	.19	.00	
59	A07072000	38.479	120.684	1550	EL DORADO FFS	31.71	2.48	2.27	2.60	3.10	8.86	7.48	3.28	.40	.17	.00	.05	.02	
59	A07228000	38.479	120.669	715	ELECTRA PH	30.48	2.48	1.87	2.41	2.71	6.96	7.43	2.76	.29	.16	.13	.38	.00	
59	A080276000	38.236	121.193	13	ELLITTOT	18.51	1.41	1.23	2.31	.68	6.23	4.23	1.41	.01	.02	.08	.62	.00	
59	A08294800	38.442	121.270	188	FAIR OAKS	21.77	1.20	1.80	1.47	.88	7.29	6.57	1.91	.00	.44	.03	.63	.00	
64	A50299400	38.593	121.258	2965	FEATHER FALLS	.00	.00	3.20	2.80	4.41	3.90	.00	.00	.00	.00	.00	.00	.00	
64	A50320000	38.550	122.450	800	FERGUSON RANCH	45.90	2.70	1.30	8.80	3.20	9.70	11.90	2.90	.20	.00	.48	1.70	.00	
64	A50330000	38.425	121.700	2140	FIDOLETOWN LYNCH HCM	40.16	2.70	2.68	3.75	3.47	10.38	10.68	3.94	.60	.21	.48	1.07	.06	
67	A80335600	38.982	122.874	1377	FINLEY 1 SE	28.49	.99	1.28	3.84	1.37	10.95	8.75	1.34	.16	.04	.16	.19	.00	
68	A04308700	40.752	120.303	400	FLEMING FIRE + GAME	10.48	.74	.43	1.14	.12	2.55	1.63	.81	.08	.25	.14	.94	.54	
64	A73311300	38.766	121.181	350	FOLSOM DAM	22.45	1.54	1.69	2.55	1.67	6.91	5.41	2.30	.10	.11	.02	.53	.02	
64	A50312700	38.426	121.261	2900	FORBESSTON	59.75	2.76	3.61	3.79	4.60	20.34	15.37	8.09	1.19	.58	.18	.75	.00	
64	A73313400	38.620	120.824	3190	FORESTHILL P 5	40.97	3.70	3.20	3.48	5.38	12.72	11.97	4.90	.83	.46	.01	1.08	.08	
25	G10315700	41.850	120.193	307	FOUR BIDEAL	15.55	.40	.58	2.33	1.74	3.52	1.98	1.68	.47	.60	.12	.68	.30	
64	A73324200	38.700	122.633	1100	FRENCH GULCH	44.52	1.83	3.38	7.75	3.58	8.13	16.47	2.64	.05	.13	.38	.32	.00	
34	B00330100	38.253	131.303	47	GALT	14.42	.97	.63	2.15	.55	4.46	3.45	.68	.00	.37	.11	.35	.00	
34	A73338400	38.424	120.788	3001	GEODETOWN P 5	51.50	2.54	3.46	4.11	3.88	14.50	11.67	6.13	.74	.28	.00	1.77	.02	
52	A03338510	40.644	122.205	25	GEHRER 1 SE	24.16	1.21	2.40	4.40	.41	7.36	5.00	2.06	.04	.00	.49	.29	.00	
55	A20340500	41.010	122.466	1435	GIBSON HMS	77.58	3.20	8.72	10.11	3.91	17.41	27.86	3.87	.17	.18	.57	.58	.00	
61	A10346000	38.789	122.050	16	GLENN COLUSA HATCH	18.85	1.61	1.07	4.47	.58	4.92	5.01	.59	.00	.00	.38	.21	.01	
31	A70349100	38.172	120.466	3320	GLD RULN	54.47	3.46	2.85	4.91	5.70	14.73	14.20	5.44	.84	.57	.07	1.66	.04	
34	B09354100	38.193	121.615		GRAND ISLAND	.00	1.40	.52	2.20	.63	5.33	4.15	.81	.00	.00	.00	.11	.00	
48	A09357300	38.208	121.607	2400	GRASS VALLEY N02	50.15	2.40	2.94	4.41	4.75	16.41	11.57	5.25	.59	.53	.09	1.19	.02	
32	A50362100	38.140	120.940	3560	GRASSVILLE RS	38.18	1.61	2.10	3.57	1.67	11.96	10.37	3.16	.87	1.01	.02	1.50	.40	
40	A03364000	38.366	121.594	90	GRIDLEY BUTTE W O	22.84	1.70	1.70	3.43	.54	8.82	5.29	.87	.08	.01	.09	.28	.03	
48	B09350500	38.150	121.966	1	GRIZZELY ISLAND REFUGE	15.76	.91	.34	2.12	1.11	5.00	4.54	1.48	.00	.08	.15	.03	.00	
31	A70338400	38.424	120.788	3001	GROVEVIEW SPRINGS	30.00	2.22	2.48	3.68	2.87	10.17	8.27	3.10	.35	.10	.03	1.16	.02	
17	A09368400	40.741	120.513	1200	GUENOC RANCH	47.16	2.24	1.88	6.63	2.39	16.10	12.94	2.62	.05	.00	.15	.08	.00	
32	A50372500	40.268	121.486	4560	HAMILTON BRANCH PH	.00	1.37	1.07	2.81	3.06	8.45	7.68	3.35	.24	.70	.20	.00	.00	
58	A03734000	38.193	121.027	131	HAMMONTON	23.55	1.50	1.70	2.48	1.00	8.96	5.55	1.60	.13	.27	.07	.26	.03	
45	A03379100	41.766	122.968	2710	HARRISON GULCH P 5	36.59	2.25	1.43	4.12	3.40	11.07	11.15	2.64	.08	.11	.20	.14	.00	
29	A60338000	38.239	121.266	580	H M ENGLEBRIGHT RANCH	31.18	1.75	2.19	3.35	1.83	12.25	6.47	2.49	.19	.20	.49	.37	.00	
45	A10382400	41.633	121.550	3015	HAT CREEK PH NO 1	18.07	1.12	.98	2.34	.89	5.67	2.48	2.67	.17	.73	.44	.57	.04	
31	A70338100	38.426	120.788	4850	HILL MOLE	.00	1.47	2.70	2.20	.00	.00	.00	.00	.00	.70	.10	.28	.00	
34	B00331900	38.206	121.242	7	HERALD FIRE STATION	.00	1.16	.66	1.26	.52	4.54	4.92	1.60	.00	.00	.00	.00	.00	
18	B09392200	40.150	120.100	4083	HERLONG S O D	.00	.00	.00	.00	.00	.00	.00	.14	.01	.51	.15	1.45	1.09	
29	A60334000	38.426	121.933	1980	HIDOEY VALLEY RANCH	34.92	2.48	2.38	3.95	2.97	10.17	8.27	3.10	.35	.10	.03	1.16	.02	
5	B02041800	38.150	120.819	554	MOGAN DAM	.00	1.34	1.68	2.21	1.18	4.31	6.95	.00	.06	.03	.08	.19	.04	
5	B02041801	38.155	120.813	749	MOGAN DAM	18.48	1.42	1.46	1.92	.60	3.70	6.18	1.74	.06	.02	.06	1.25	.07	
39	B09044100	38.728	121.391		MOLT 2 ESE	.00	.88	.37	2.24	.76	3.11	3.13	.89	.00	.00	.00	.00	.00	
04	A00407500	38.127	121.526	113	MONTCUT	.00	1.54	1.44	2.74	.63	9.48	6.79	1.00	.17	.13	.07	.18	.00	
17	A80499700	40.616	123.000	2510	MOPLAND BNE	.00	1.88	2.25	5.54	.00	.00	.00	2.37	.10	.11	.20	.41	.00	
45	A30421900	41.027	122.569	100	MO 2W	44.28	2.69	1.28	6.78	2.88	11.93	13.50	3.13	.18	.00	.14	.84	.04	
03	R10424550	38.422	120.638	2490	INDIAN GRINDING ROCK	PK 38.61	4.06	.74	2.10	3.32	9.32	12.77	4.03	.52	.23	.14	1.38	.00	
06	A00428300	38.348	120.438	284	JONE	27.40	1.72	2.98	2.53	1.57	4.47	4.56	3.03	.03	.00	.02	.08	1.06	.00
31	A70428800	38.488	120.439	3050	JOYA HILL	48.73	2.24	2.91	4.59	7.07	13.47	11.21	5.21	1.15	.54	.04	.84	.02	
3	R020432100	38.160	120.789	155	JACKSON 1 NW	26.05	2.06	1.85	2.00	1.20	6.84	4.84	.01	.25	.02	.08	.14	.00	
52	A00434600	40.729	122.203	355	JELLY	27.75	2.22	1.40	4.64	1.88	7.30	4.94	2.65	.53	.40	.37	.42	.00	
5	B00435000	38.075	120.111	235	JENNY LIND 35W	18.53	1.81	1.65	2.05	.77	3.88	5.35	1.92	.00	.03	.03	1.05	.01	
01	A10437400	41.265	120.379	5290	JESS VALLEY	21.02	1.11	.63	3.89	2.19	5.02	2.58	2.61	.47	1.82	.10	1.33	.13	
06	A00439000	38.956	121.969	60	JUNES SCHOOL	17.03	1.27	.47	4.03	.25	4.88	4.99	.76	.05	.07	.15	.26	.00	
09	A70448400	38.816	120.816	2000	KELSEY IN	32.56	2.54	2.41	2.57	2.77	8.40	7.39	3.86	.55	.30	.08	1.31	.02	
17	A80448800	40.875	122.931	1385	KELSEYVILLE	.00	1.47	.92	2.60	1.20	10.21	.00	.00	.00	.00	.00	.00	.00	
17	A80449101	38.001	122.834	1385	KELSEYVILLE 2 N	26.08	1.92	.43	3.49	4.15	8.43	4.30	1.10	.00	.03	.00	.24	.00	
39	B080450800	37.476	121.432	172	KELNBER	4.55	.57	.75	1.35	.24	1.68	2.53	1.07	.00	.00	.03	.85	.00	
45	A44454400	41.011	121.871	2650	KILKAP	41.02	2.52	2.17	4.50	2.93	10.10	8.13	5.56	.89	.78	.98	2.88	.18	
09	A70461600	38.755	120.145	5700	KYBURZ STRAWBERRY	.00	2.23	3.18	4.21	.00	11.41	10.23	.00	.00	.64	.00	2.39	.23	
17	A80470100	38.933	122.916	1343	LAKEPORT	31.18	1.53	1.15	3.90	4.30	9.25	6.82	2.98	.03	.02	.17	.33	.00	
29	A60471200	38.492	122.502	180	LAKE SOLANO	22.73	1.16	.51	4.67	1.78	6.82	4.93	.67	.00	.00	.07	.10	.00	
29	A60471360	38.118	120.637	5156	LAKE SPAULDING	70.73	3.47	3.46	5.70	6.09	20.52	17.47	8.68	.93	.92	.20	2.29	.00	
57	A00472800	38.162	121.521	240	LAKEVIEW	33.00	1.28	1.00	2.55	1.55	10.38	10.68	3.94	.60	.21	.48	1.07	.06	
57	A00473000	38.475	122.072	360	LAMB LAKE	13.01	1.35	.89	5.95	.40	10.49	8.72	1.50	.00	.00	.40	.10	.00	
32	A50477300	38.482	122.432	1475	LA PORTE	.00	.00	.00	.00	.00	21.28	22.10	10.59	1.84	.00	.00	.00	.70	
06	B08048800	38.553	122.436	1330	LEE'SVILLE KEEGAN RANCH	24.55	.93	.34	3.86	.75	8.91	7.44	1.19	.00	.00	.25	.88	.00	
9	B01048800	38.591	121.011	600	LINCOLN RCH	25.42	1.76	1.88	2.50	2.13	7.17	5.70	2.40	.16	.08	.08	1.36	.00	
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## PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
04	A00523260	39.768	121.896	145	M AND T RANCH	22.47	2.27	1.10	4.46	.87	7.74	5.12	.66	.00	.00	.07	.27	.38	.00
18	G20723100	41.055	120.471	5231	MADEIRA HMS	.00	.85	.34	1.30	.61	3.42	.00	.00	.00	.00	.00	.00	.00	.00
17	A00525800	38.856	122.783	2380	MANHKE	45.60	1.72	2.05	6.11	4.36	13.44	14.95	2.47	.15	.05	.15	.11	.00	
52	A00529902	40.436	121.766	3250	MANHKE 6 E	46.29	2.39	2.39	4.84	2.46	10.99	7.11	5.36	.47	.64	.04	.04	.12	
39	B00530300	40.740	121.260	.00	MANTECA	12.91	.98	.51	2.05	.77	2.83	7.17	.92	.00	.01	.02	.73	.00	
45	A00531100	40.433	121.566	5850	MANZANITA LAKE	32.46	1.99	1.72	2.31	1.97	7.92	5.86	5.49	1.13	.87	.99	2.43	.29	
51	A00531160	39.334	121.682	.87	MANZANITA FS	23.40	1.71	1.56	3.95	.55	8.87	5.58	.76	.05	.01	.06	.26	.04	
02	B00535600	38.492	119.782	5546	MARPLEVILLE	.00	.40	1.64	3.94	.00	.00	.00	.00	.00	.00	.00	.00	.00	
28	A00536000	38.500	122.116	480	MARLEY COVE	36.31	.88	.85	2.56	.44	12.60	8.56	1.09	.00	.03	.16	.14	.00	
58	A00538500	39.146	121.584	60	MARYSVILLE	22.37	1.67	1.64	2.55	.73	9.48	4.59	.88	.12	.14	.05	.17	.05	
34	A00543000	38.566	121.300	90	MATHER A F 8	19.21	1.41	1.24	2.55	1.16	5.43	4.55	1.69	.02	.05	.04	1.01	.06	
00	A00544900	39.276	122.186	91	MAXWELL	13.55	1.03	.32	3.13	1.44	3.02	3.72	.39	.00	.00	.26	.20	.00	
45	A10543000	41.012	121.650	2900	MCARTHUR-BURNLEY FALLS	28.83	1.43	1.23	2.34	1.43	10.32	6.05	3.83	.01	.84	.47	.71	.22	
45	A00544700	38.660	121.391	70	MC CLELLAN AFB	23.12	1.28	1.47	3.74	.55	7.16	5.33	1.68	.00	.07	.04	.50	.00	
47	A20544700	41.266	122.133	30	MC CLOUD	56.38	2.08	3.08	7.33	2.63	15.44	14.58	3.33	.03	.95	.49	.35	.03	
31	A70558600	39.044	120.740	3650	MICHIGAN BLUFF	.00	.27	2.57	3.13	5.07	9.68	10.08	4.45	.49	.00	.00	1.80	.00	
17	A70559600	38.748	122.617	1122	MIDDLETON	.00	1.20	1.61	6.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	
17	A00559600	38.732	122.679	1785	MIDDLETON A WSW	.00	.00	.00	.00	3.57	27.33	23.77	.45	.29	.00	.18	.00	.00	
18	G60562100	40.174	120.363	414	MILFORD	16.29	.64	1.41	1.99	.44	5.60	2.51	.93	.00	.36	.17	1.78	.51	
18	G60562300	40.133	120.350	4860	MILFORD LAUFMAN R S	21.46	1.17	1.39	2.61	1.41	6.54	3.47	1.53	.21	.37	.10	1.53	1.13	
52	A00567900	41.350	121.600	4910	MINERAL	52.91	2.15	2.92	4.98	2.72	16.44	10.40	8.03	1.06	.25	.55	.23	.34	
52	A00575200	39.786	120.632	4370	MOHAK R S	29.68	1.24	2.06	2.30	1.39	8.49	8.12	2.85	.10	.65	.00	1.02	.46	
5	B20576305	39.295	120.615	1920	MOKULUNE HILL SE	33.63	2.32	1.97	3.67	2.62	7.93	6.62	3.13	.46	.24	.27	1.40	.00	
60	B00580400	37.750	121.583	200	MOUNTAIN HOUSE	.00	.00	.00	.00	.45	3.07	3.72	.95	.00	.00	.16	.40	.00	
5	B20589205	38.244	120.567	2200	MOUNTAIN RANCH 2 NW	.00	1.74	1.96	3.46	3.88	7.98	9.51	.43	.55	.10	.00	.00	.00	
47	A20593800	41.316	122.316	3544	MOUNT SHASTA CITY	33.81	1.52	3.01	5.76	2.79	8.32	9.63	1.51	.09	.53	.17	.33	.00	
3	B20603903	41.222	122.112	1122	MURPHY T R	.00	.00	.00	.00	2.77	9.93	10.78	3.83	.00	.00	.00	1.20	.00	
49	A00613000	39.450	121.783	120	NELSON WESTERN CITY	24.33	1.62	1.64	3.76	1.30	8.41	5.52	1.53	.01	.05	.12	.32	.05	
29	A00613600	39.258	121.010	2520	NEVADA CITY	54.61	2.92	2.74	5.75	4.68	18.16	12.53	5.12	.72	.38	.05	1.34	.02	
29	A00613629	39.248	121.028	2710	NEVADA CITY R S	.00	.254	2.92	3.07	3.75	11.39	10.69	4.36	.62	.25	.20	.00	.00	
31	A00615400	39.891	121.219	250	NEWCASTLE FOWLER	24.73	1.34	1.99	3.58	1.30	7.66	5.88	2.16	.10	.08	.00	.61	.03	
51	A00615700	39.061	121.584	50	NEW ENGLAND ORCHARD	21.13	1.54	1.53	2.81	.59	8.70	4.58	1.09	.00	.08	.02	.14	.01	
45	A00619400	38.924	121.543	43	NICOLAUS 2	19.42	1.16	1.22	3.16	.64	7.95	4.90	.78	.00	.05	.04	.12	.00	
04	A00621600	39.005	121.596	180	NORD	24.08	1.92	.92	4.45	1.26	6.97	5.95	.88	.00	.00	.85	.27	.00	
19	A06223200	39.167	120.498	3298	NORTH SLUMFIELD	.00	.270	2.70	6.20	6.10	12.00	.00	.00	.00	.00	.00	.00	.20	
29	A06227400	39.370	121.101	2091	NORTH SAN JUAN	47.81	2.17	2.49	3.20	5.61	14.28	12.10	4.90	.84	.88	.14	1.17	.09	
58	A06227900	39.441	121.005	1815	NORTH SAN JUAN AVE	53.11	1.84	.30	3.64	3.04	10.97	13.02	5.34	.53	1.18	.20	.82	.15	
45	A10641500	41.474	121.431	4300	OLD STATION	22.72	1.02	1.62	2.42	1.41	5.94	3.80	2.97	.49	.92	.17	1.63	.33	
45	A00645500	40.483	122.616	980	ONO	37.01	.47	.71	7.74	2.55	10.31	12.87	2.89	.09	.00	.17	.20	.00	
34	A00648134	39.686	121.218	235	ORANGEVALE	.00	1.49	1.14	2.39	1.22	5.47	7.16	1.29	.00	.00	.00	.00	.00	
11	A00650500	39.416	122.328	312	ORLANDO FRENCH RANCH	17.45	1.38	.78	4.09	.26	5.53	4.22	.54	.00	.00	.45	.20	.00	
11	A00650600	39.750	122.200	254	ORLANDO	26.37	1.49	1.14	5.06	.44	5.67	5.02	.73	.00	.00	.62	.20	.00	
04	A00652100	39.406	121.558	171	ORVILLE	.00	.87	1.16	5.53	.97	10.65	5.93	1.16	.00	.00	.24	.14	.00	
04	A00652500	39.416	121.558	171	ORVILLE BRIDGE	.00	.87	1.16	5.53	.97	10.65	5.93	1.16	.00	.00	.24	.14	.00	
04	A00652700	39.427	121.479	845	ORVILLE DAM	.00	1.23	1.87	3.00	1.64	10.63	6.79	2.21	.19	.22	.00	.00	.00	
04	A00658200	39.425	121.567	300	OROVILLE R S	23.70	1.60	1.40	3.00	2.30	7.70	6.00	1.50	.10	.10	.00	.00	.00	
34	A70659700	39.705	120.500	3447	PACIFIC MCH	52.37	3.24	3.43	3.71	5.03	13.00	12.91	7.33	.76	.47	.08	1.70	.31	
04	A00662000	39.435	121.556	156	PALEOMO	22.38	1.57	1.54	2.56	.86	9.25	4.85	1.31	.02	.10	.05	.22	.05	
04	A00668500	39.766	121.633	1787	PARADISE	31.51	2.67	2.49	7.17	4.26	15.72	13.27	4.12	.04	.23	.19	.73	.06	
44	A00669704	39.477	121.563	950	PARISH CAUSE	36.08	1.58	1.98	4.77	3.73	12.51	6.93	2.53	.12	.10	.24	.61	.00	
52	A00672600	39.483	122.533	755	PAYKENT R S	27.45	1.83	.25	5.95	.81	6.75	9.71	1.26	.00	.00	.64	.25	.00	
52	A00676100	40.333	121.900	185	PAYNES CREEK	32.00	2.50	1.55	4.60	1.61	9.47	4.46	3.18	.07	.59	.59	1.32	.00	
52	A10679800	40.308	121.412	1485	PINE STATE CONS CASH	6.89	3.04	3.36	1.14	3.49	9.27	12.45	3.35	.54	.02	.16	.14	.00	
45	A20694400	41.080	121.500	2880	PIT RIVER PH	17.87	1.42	.87	2.44	.97	5.42	2.84	2.20	.25	.64	.31	.47	.04	
45	A10694600	40.983	121.983	1458	PIT RIVER PH NO 5	68.50	2.77	2.88	8.53	3.75	18.84	21.86	6.93	.29	.93	1.18	.85	.09	
07	B00694900	38.723	121.855	14	PITTSBURGH DOW CHEMICAL	10.05	.50	.03	1.59	1.27	2.00	3.44	.61	.00	.00	.17	.00	.00	
07	A70696000	38.729	120.797	189	PLACERVILLE	33.05	3.26	1.71	2.13	2.69	9.44	8.00	3.97	.55	.33	.00	1.01	.11	
07	A70696200	38.739	120.741	2755	PLACERVILLE JFG	37.68	3.81	2.13	2.52	3.48	9.93	9.12	4.28	.66	.28	.02	1.29	.10	
07	A70696400	38.732	120.845	1546	PLACERVILLE DIST PL	.00	.400	1.90	2.50	3.30	8.30	7.70	3.30	.40	.30	.00	1.00	.00	
07	A00696800	38.494	121.406	65	PLAINFIELD 1 NW	15.98	.92	.54	3.31	.17	6.05	4.00	.80	.00	.00	.10	.09	.00	
48	A06977700	40.467	122.643	250	PLEASANT VALLEY	31.12	.84	.87	6.90	.44	12.16	8.09	.95	.00	.00	.18	.09	.00	
32	A00599400	39.756	120.697	5185	PLYMOUTH EUREKA PARK	58.42	2.20	2.80	.42	3.82	16.61	17.20	7.50	1.90	.30	.00	1.10	.60	
3	B10700001	39.405	120.412	1485	PLYMOUTH 3 NE	30.75	1.41	2.35	2.34	2.07	8.04	7.21	3.51	.29	.07	.01	1.75	.28	
3	B10700003	38.417	120.932	445	PLYMOUTH 6 NW	22.29	1.57	1.94	2.14	1.54	5.98	5.25	2.19	.12	.07	.00	1.21	.18	
810	B10700004	38.553	120.811	155	PLYMOUTH 4 NW	29.80	1.70	1.12	2.35	2.22	7.97	7.34	3.74	.35	.00	.01	1.85	.02	
32	A10708500	39.404	122.471	4830	PORTOLA	23.32	1.10	1.43	1.52	1.63	5.75	6.49	1.41	.65	.37	.00	1.58	.99	
3	B20713600	38.463	120.436	35	PRESTON SCHOOL	23.52	2.19	1.64	1.72	2.09	6.82	5.83	2.34	.20	.07	.02	.60	.00	
32	A10719500	39.038	120.940	3409	QUINCY R S	35.22	1.25	2.81	1.18	1.72	12.42	5.85	2.72	.93	.33	.09	.98	.34	
04	A60721600	39.436	121.329	1400	RAIDERS	.00	.63	2.19	3.63	4.23	16.66	9.20	.00	.00	.00	.00	.00	.00	
5	B20722121	38.405	120.453	2540	RAILROAD FLAT	40.87	2.74	2.97	4.84	3.48	9.41	10.79	4.89	.47	.26	.17	1.25	.00	
5	B20																		

TABLE A-1 (Cont.)

## PRECIPITATION IN NORTH-EASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	
34	406763335	34.464	121.337	72	SACRAMENTO BRANCH CENT	.00-	.97	.51	1.26	.28	3.18	2.93	1.43	.00	.00-	.00-	.00-	.00-	
29	476761100	34.464	121.337	72	SAGEHILL CREEK	36.33	.92	1.13	3.22	2.15	9.70	6.51	3.37	.72	.76	.09	.13	1.68	
34	406768900	34.497	120.216	3700	SALT SPRINGS PH	50.46	2.86	3.13	5.09	4.22	12.31	12.37	6.15	1.02	.78	.09	1.86	.58	
5	826770100	34.192	120.681	1120	SAN ANOEAES	26.92	1.55	2.21	3.07	1.65	6.13	8.56	2.39	.15	.04	.11	.96	.05	
5	826770200	34.163	120.671	831	SAN ANOEAES 2 S	27.42	2.16	2.14	2.78	1.90	6.74	8.66	2.28	.10	.00	.00	.00	.00	
5	826770500	34.192	120.669	1105	SAN ANOEAES R 5	25.92	1.06	1.08	2.92	2.35	5.28	8.14	2.23	.15	.04	.10	.94	.03	
46	406812900	34.000	120.943	300	SCALES	91.45	4.00	4.75	7.31	8.14	28.42	24.80	1.00	1.26	.05	.56	2.96	.30	
18	606817400	34.423	120.266	4435	SECRET VALLEY	.46	.05	.04	.77	.00	1.69	.35	.46	.08	.34	.04	.66	.00	
29	406811229	34.329	121.106	201	SHADY CREEK	35.17	2.04	1.40	3.27	3.90	9.88	6.39	4.00	.34	.65	.13	.66	.05	
45	420813500	34.716	122.416	1076	SHAWA DAM	63.64	3.10	2.92	9.24	3.34	16.62	23.16	3.95	.00	.31	.57	.47	.00	
05	828114500	34.260	120.463	2350	SHEEP HANCH	40.90	3.30	2.50	5.90	2.40	9.10	11.38	4.00	.50	.28	.18	1.10	.10	
45	4068117500	34.394	121.840	3500	SINGLETON T 2 E	44.25	3.00	3.30	4.22	2.90	12.12	10.14	5.29	.10	.57	1.25	2.10	.13	
46	406821700	34.464	120.369	4150	SIERRA CITY	50.75	2.56	3.04	5.14	4.99	18.54	14.56	6.53	2.02	.24	.09	1.06	.18	
46	406821800	34.483	120.368	4975	SILVERVILLE RS	25.61	.97	2.42	1.92	1.64	6.99	6.93	2.05	.97	.43	.00	.01	.48	
34	400829311	34.483	121.280	123	SLOUGHMOORE 15W	.00-	1.65	1.55	3.36	.57	5.84	4.79	2.09	.00	.07	.00	.00	.00	
58	400830000	34.202	121.287	800	SMARTSVILLE	29.92	2.41	1.35	1.54	3.49	10.50	7.80	2.23	.20	.00	.12	.18	.07	
46	406833200	34.325	120.366	4085	SONOMA SPRINGS 1 E	60.92	2.79	3.24	5.72	7.20	15.78	14.11	7.05	1.84	1.13	.15	1.75	.16	
7	811934449	34.422	120.598	3100	SOMERSET 5 ESE	38.92	2.93	2.74	2.98	2.41	9.85	9.68	4.70	.72	.29	.09	2.33	.02	
26	606835500	34.351	119.448	4886	SONOMA JUNCTION	.00	1.04	.01	1.93	.00	3.74	3.27	1.65	.55	.15	.15	.35	.64	
31	670847400	34.196	120.236	6235	SOJAW VALLEY	58.36	2.21	3.51	5.60	4.90	18.76	12.32	5.95	1.61	1.05	.11	1.97	.33	
04	450845400	39.004	120.527	3518	STARLING CITY R 5	.00-	3.40	4.40	8.36	6.10	.00	14.80	8.00	1.00	.70	.86	2.20	.10	
39	806855000	37.035	121.327	11	STOCKTON DISPOSAL PLT	13.70	1.20	.50	.26	1.10	3.60	3.80	.80	.00	.00	.10	.00	.00	
39	806855000	37.005	121.250	22	STOCKTON W&P	11.04	.97	.78	2.15	.93	2.15	3.80	.74	.00	.00	.07	.02	.01	.01
39	806856000	37.000	121.316	12	STOCKTON FIRE STATION	13.20	1.17	.25	.25	.47	4.23	3.68	1.19	.00	.02	.10	.55	.01	
06	439576500	39.255	122.658	3620	STONEFORD COULEY MCH	48.90	1.77	1.96	6.00	3.14	15.90	16.11	3.17	.14	.05	.49	.13	.07	
06	439585800	39.193	122.455	1186	STONFORD R 5	21.62	.76	.18	3.72	1.74	7.20	7.01	.74	.00	.00	.14	.11	.02	
11	439587400	39.483	122.533	771	STONY GONGE RAS	22.32	1.26	.16	5.18	.53	6.74	6.22	1.06	.00	.00	.44	.71	.00	
58	406860000	39.563	121.108	1068	STRAUBERRY VALLEY	60.72	4.04	4.22	7.30	6.25	26.03	22.08	6.82	1.17	.58	.37	1.54	.34	
18	606870200	34.783	120.550	4160	SUSANVILLE AP	12.70	.89	1.10	1.24	.28	4.47	1.55	1.14	.92	.27	.03	.13	.41	
18	606870300	34.433	120.666	4595	SUSANVILLE 1WN	18.08	.99	1.12	1.28	.93	6.42	2.90	1.61	.31	.29	.05	1.75	.43	
51	406871000	39.141	121.746	46	SUTTER CITY	15.47	1.90	.27	1.63	2.05	6.49	2.92	.00	.00	.00	.12	.12	.00	
3	826771300	34.777	120.460	1596	SUTTER MILL R5	.00	2.08	2.39	.00	.00	.00	.00	.00	.00	.00	.00	.64	1.53	.00
18	626874700	34.866	120.450	5300	TERMO	12.17	.82	.31	1.39	.56	3.32	1.34	1.52	.42	.78	.62	.84	.25	
04	4068949	34.508	121.083	141	THERMALITO AFTERHAY	.00	1.69	1.26	1.86	.96	8.61	.00	.00	.00	.00	.00	.00	.00	.00
3	826892600	34.449	120.491	2355	TIGER CREEK PH	48.57	4.26	2.80	3.89	4.09	11.73	12.62	5.62	.63	.34	.17	1.60	.07	
51	406893311	39.428	121.779	30	TISDALE BYPASS	17.06	1.48	.85	2.52	.43	7.05	4.18	.34	.00	.02	.06	.10	.03	
34	406898434	34.600	121.405	5	TOWN AND CNTRY WITCHL	.00	1.25	1.12	3.33	.57	6.58	4.68	1.36	.00	.00	.03	.24	.00	
39	806899500	37.737	121.424	53	TRACY FIRE STATION	.00	.95	.00	1.22	.63	.00	2.45	.00	.00	.00	.00	.00	.00	.00
39	806899700	37.708	121.410	104	TRACY ZSSSE	.95	.61	.14	1.63	.41	1.52	2.52	1.73	.00	.00	.04	.84	.00	
39	806899900	37.695	121.413	137	TRACY CARBONA	.94	.62	.23	1.77	.34	1.99	2.66	1.44	.00	.01	.04	.69	.07	
34	406900100	37.795	121.581	61	TRACY PUMPING PLANT	11.09	.63	.31	1.96	.43	3.04	3.40	.92	.00	.00	.18	.32	.00	
29	676943300	39.429	120.186	5995	TRUCKEE R 5	29.67	1.03	1.49	2.74	2.39	7.65	8.01	3.82	.82	.52	.00	.88	.12	
32	450919500	34.919	121.070	2841	TWIN LAKE	.00	1.57	2.46	4.76	1.79	13.53	8.99	3.02	.35	.00	.00	.00	.00	
42	479105000	38.706	120.400	7829	TWIN LAKES	48.11	1.74	2.74	5.28	4.80	11.43	16.95	6.15	1.42	.95	.02	1.92	.71	
17	406916700	39.183	123.033	1526	UPPER LAKE T W	47.48	1.87	1.93	7.02	5.13	13.17	15.01	2.84	.00	.08	.09	.33	.03	
48	406920000	34.361	121.949	100	VACAVILLE	20.92	1.19	.84	3.07	1.49	7.76	5.42	.94	.00	.01	.14	.00	.00	
5	826923700	34.192	120.836	895	VALLEY SPRINGS	21.93	1.80	1.61	1.95	1.25	4.84	7.17	1.88	.08	.00	.10	1.25	.02	
5	826923700	34.132	120.962	305	VALLEY SPRINGS 05W	17.02	1.64	1.44	1.72	.40	3.48	4.83	1.91	.01	.02	.06	1.21	.00	
51	406930700	34.799	121.595	43	VERONA	13.45	.98	.69	2.33	.49	4.73	3.64	.38	.00	.02	.01	.16	.07	
52	406934200	34.938	122.061	202	VINA MONASTERY	24.37	1.75	1.18	4.84	.75	6.68	6.00	1.54	.00	.00	.73	.33	.00	
32	450935100	39.414	120.188	4945	VINTON	11.91	.94	.71	1.01	.44	2.08	2.37	1.01	.35	.40	.03	1.68	.69	
45	426938000	34.055	122.433	1360	VOLLMEERS	73.53	3.16	7.12	10.10	3.32	13.96	24.76	4.58	.16	.07	.61	.29	.00	
45	426939000	34.455	121.866	2200	VOLTA PH	33.05	3.00	1.74	3.88	2.80	8.31	5.61	.40	.00	.12	.51	.88	2.18	.02
5	800941850	34.191	120.982	214	WALLACE 1 LNNE	17.49	1.37	1.33	2.62	1.69	4.58	1.00	1.79	.00	.00	.04	1.13	.03	
34	406942600	34.237	121.516	21	WALNUT GROVE	.00	1.15	.30	2.18	.66	4.25	3.76	.61	.00	.00	.00	.00	.00	.00
29	406945500	34.357	120.798	2600	WASHINGTON	.00	3.63	3.28	.00	2.19	19.42	16.51	6.09	1.10	.58	.05	3.65	.07	
18	606952600	34.264	120.673	4035	WENDEL 19 SE	8.76	.84	.35	.80	.28	1.85	1.34	1.12	.00	.27	.46	.99	.42	
18	606952601	34.755	120.208	4000	WENDEL 1 E	9.47	.71	.42	.93	.11	1.89	1.58	.75	.24	.59	.21	1.54	.50	
57	406953000	34.067	121.536	15	WEST ACRES	.00	.57	.66	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	826954200	34.400	120.533	2740	WEST POINT	36.05	2.66	2.70	3.10	4.65	8.78	9.69	2.71	.37	.20	.11	1.66	.02	
58	406960500	34.427	121.389	165	WHEATLAND 2 NE	.00	1.49	1.49	2.75	.00	.83	1.61	1.42	.06	.00	.03	.12	.00	
45	430620100	34.416	122.533	1311	WHISKEYTOWN RESEMOVH	62.49	2.52	1.89	3.80	2.25	16.52	23.64	4.65	.05	.21	.64	.29	.00	
06	406967700	39.155	122.150	40	WILLIAMS	.00	1.06	.32	9.81	.20	.00	.00	.00	.00	.00	.00	.00	.01	.03
25	410696500	41.902	120.356	500	WILLOW RANCH	13.01	.59	.30	.82	.88	2.00	2.27	2.10	.52	.32	.31	.56	1.26	.00
18	606969000	34.599	120.666	493	WILLOW CR HUMBER MCH	17.12	1.14	1.37	1.69	.33	4.63	7.50	2.28	.32	.41	.26	1.74	.36	
11	406969400	34.533	122.200	14	WILLOWS	15.51	1.73	.76	3.37	.22	4.28	3.80	.74	.00	.00	.31	.19	.01	
57	406974200	34.522	121.984	134	WINTERDALE	22.08	.09	.59	4.41	.25	7.86	6.56	.88	.00	.00	.00	.13	.07	.00
46	406974200	34.466	121.958	141	WINTERS WOODL RCH	22.24	1.02	.74	4.56	.33	7.74	6.17	1.46	.00	.00	.10	.12	.07	.00
46	406974500	34.500	121.968	137	WINTERS WOLFESKILL RCH	21.40	1.05	.64	4.02	.18	7.40	6.41	1.07	.00	.00	.07	.09	.14	.00
29	406976400	34.129	121.100	2631	WOLF MOUNTAIN	.00													

TABLE A-2

## INDEX OF STORAGE GAGE PRECIPITATION STATIONS

This table lists and shows location and other information for the storage gages for which the seasonal accumulation of precipitation is reported in the following table. These gages are located in the remote mountain regions where no observers are available to operate conventional rain gages. Storage precipitation gages are tanks with capacity for storing an entire year's rainfall along with antifreeze to melt frozen precipitation and oil to prevent evaporation losses. Once each year, in the summer or early fall, the precipitation that has accumulated since the last measurement is measured and then emptied out. With the addition of the proper amount of oil and antifreeze, the gage is ready to receive the next season's amount. Although logistics preclude conducting the measurement operation exactly at the end of the water year and exactly one year following the previous measurement, the gages fairly accurately depict the total precipitation for the water year because usually a very small amount of precipitation occurs in the summer months.

An explanation of the column headings and the code symbols used in connection with the storage gage station listing follows:

Station Number - Each station in these tables has been assigned an identification number as explained in the Introduction to this appendix.

40-Acre Tract - This denotes the location of the station within a section subdivision of the U. S. Public Land Survey. The letter code is derived from the section diagram to the right.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

000	Private Cooperators
419	Tehama County Flood Control and Water Conservation District
814	California Department of Water Resources, Snow Surveys
900	National Weather Service
903	U. S. Corps of Engineers
905	U. S. Forest Service
911	Military Weather Stations in California

County - This is a standard code for California counties and is explained in the Introduction to Table A-1.



TABLE A-2 (Cont.)  
INDEX OF STORAGE GAGE PRECIPITATION STATIONS  
NORTHEASTERN CALIFORNIA

Station		Elevation in Feet	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude		Longitude		Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	O	I					
A3 0093	ALDER SPRINGS	4400	SEC 24	T21N	R08W	G H	39	39	122	42	26	903			11
A3 0468	BALL MOUNTAIN LOOKOUT	6500	SEC 17	T24N	R08W	H	39	56	00	122	47	00	900		52
A1 0867	BLACKS MOUNTAIN	7200	SEC 33	T34N	R07E	M	40	46	00	121	12	00	900	05	18
A5 1002	BOULDER CREEK GUARD STATION	5020	SEC 15	T27N	R12E	G H	40	11	52	120	36	45	905		32
G7 1096	BROCKWAY SUMMIT	7200	SEC 03	T16N	R17E	K H	39	16	120	04		903	1961		29
A7 1133	BRUSHY SPRINGS GUARD STATION	4880	SEC 06	T13N	R13E	H H	39	00	20	120	34	40	000		31
A1 1238	BUTTE LAKE	6060	SEC 10	T31N	R06E	F H	40	33	48	121	18	06	900	041237	18
A5 1348	CAMEL PEAK	5560	SEC 32	T22N	R08E	H H	39	43	26	121	05	58	000		32
G3 1644	CHAMPS FLAT	5590	SEC 27	T33N	R09E	H H	40	41	42	120	57	30	000		18
A5 1783	CLARKS PEAK 1 NE	5910	SEC 10	T27N	R13E	H H	40	12	50	120	29	34	000		32
A5 1845-32	CLOVER VALLEY	5500	SEC 07	T24N	R14E	R H	39	56	40	120	27	00	000		32
A1 2320	DEAD HORSE RESERVOIR 2 SE	5075	SEC 35	T45N	R12E	L H	41	42	00	120	33	00	000		25
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J H	40	01	16	121	49	34	419	FN2335	52
A4 2416	DEWITT PEAK 2 WSW	1480	SEC 33	T27N	R01W	R H	40	08	43	121	58	23	419		52
G2 2460	DODGE RESERVOIR 3 NNE	6400	SEC 11	T36N	R16E	C H	41	00	30	120	07	30	000		18
A7 3153	FORNI RIDGE	7600	SEC 16	T11N	R16E	H	38	48		120	13		814		09
A7 3388	GERLE CREEK CAMP	5400	SEC 11	T13N	R14E	L H	38	59	06	120	22	45	000		09
A5 3549-32	GRANITE SPRING	5765	SEC 13	T26N	R14E	J H	40	06	23	120	20	34	000		32
B2 3952	HIGHLAND LAKES	8700	SEC 32	T08N	R20E	Q H	38	29	48	119	47	48	000	003954	02
A4 4019	HOGBACK ROAD	1320	SEC 05	T27N	R01W	F H	40	13	27	122	00	03	419		52
A1 4815	LASSEN CREEK UPPER	6775	SEC 21	T45N	R15E	R H	41	45		120	14	42	000		25
A5 4932	LIGHTS CREEK	5320	SEC 02	T27N	R11E	F H	40	13	48	120	42	30	000		32
A5 4977	LITTLE LAST CHANCE VALLEY	5730	SEC 05	T24N	R16E	H H	39	57	40	120	13	00	000		32
A3 5043	LOG SPRING	5050	SEC 29	T23N	R08W	D H	39	49	36	122	47	29	903		52
A1 5081-01	LONG BELL STATION	4375	SEC 20	T42N	R05E	B H	41	28	00	121	25	00	000		25
G7 5163	LOWER MEADOW	5760	SEC 25	T20N	R17E	A H	39	33	42	120	01	54	911		46
B1 5189	LUMBERYARD	6480	SEC 15	T08N	R15E	F H	38	32	55	120	18	24	000		09
A4 5444	MCCARTHY POINT	3800	SEC 19	T27N	R03E	H	40	11	00	121	41	00	900		52
A1 5505	MEDICINE LAKE	6725	SEC 10	T43N	R03E	C H	41	35	00	121	37	00	900		47
A5 5956	MT HOUGH SNOWCOURSE	6760	SEC 08	T25N	R10E	J H	40	02	29	120	52	43	000		32
A2 5982	MT SHASTA SLOPE	7500	SEC 30	T41N	R03W	Q H	41	22	00	122	16	00	900		47
A3 6212	NOEL SPRING	5000	SEC 05	T19N	R07W	B H	39	32	16	122	40	03	903		11
A5 6452	ONION VALLEY	6530	SEC 05	T22N	R10E	G H	39	48	00	120	53	06	000		32
A1 6750	PATTERSON MEADOW	7000	SEC 29	T39N	R16E	H	41	11	00	120	12	00	000		25
A1 6803	PEPPERDINES CAMP	6650	SEC 28	T42N	R15E	F H	41	26	30	120	14	00	000		25
A7 7492	ROBERTSON FLAT	6740	SEC 11	T15N	R13E	N H	39	09	26	120	30	06	000		31
A3 7637	SADDLE CAMP RANGER STATION	3850	SEC 30	T27N	R08E	H	40	10	00	122	48	00	900		52
A2 8591	STOUTS MEADOW	5300	SEC 01	T38N	R01W	B H	41	10	00	121	56	00	900		45
A5 8716	SKAIH MOUNTAIN	6160	SEC 20	T30N	R08E	J H	40	26	40	121	06	00	000		32
A1 8718	SWRAGER FLAT	6000	SEC 11	T39N	R10E	F H	41	14		120	47	30	000		25
A7 8881	THE CEDARS	5900	SEC 13	T16N	R14E	L H	39	15	00	120	21	12	000		31
A5 8909	THREE MILE VALLEY	5900	SEC 36	T24N	R12E	A H	39	54	05	120	34	15	000		32
A3 9037	TROUGH SPRING	4000	SEC 28	T17N	R07W	L H	39	17	48	122	39	11	903		06
A4 9098	TWENTY MILE HOLLOW	2800	SEC 07	T26N	R02E	F H	40	07	33	121	48	12	000		52
A7 9597	WESTVILLE	5290	SEC 05	T15N	R12E	J H	39	10	30	120	19	08	000		31
A7 9816	WRIGHTS LAKE	6950	SEC 32	T12N	R16E	J H	38	50	30	120	14	02	900		09

TABLE A-3  
STORAGE GAGE PRECIPITATION DATA

Station	Agency	1974-75 Season	
		Measurement Period	Precipitation in Inches
SACRAMENTO RIVER BASIN			
PIT RIVER A1			
BLACKS MOUNTAIN	DWR Northern District	6-17-74	8-25-75 33.06
BUTTE LAKE	DWR Northern District	6-28-74	7-03-75 41.73
DEAD HORSE RESERVOIR 2 SE	DWR Northern District	6-20-74	6-13-75 NR
LASSEN CREEK UPPER	DWR Northern District	6-19-74	8-26-75 18.73
LONG BELL STATION	DWR Northern District	6-20-74	6-12-75 17.08
MEDICINE LAKE	DWR Northern District	8-29-74	8-28-75 43.25
PATERSON MEADOW	DWR Northern District	6-18-74	8-27-75 34.67
PEPPERDINES CAMP	DWR Northern District	6-19-74	8-26-75 35.91
SWEAGERT FLAT	DWR Northern District	6-18-74	8-25-75 33.33
SHASTA LAKE A2			
MT. SHASTA SLOPE	DWR Northern District	8-28-74	8-29-75 67.34
STOUTS MEADOW	DWR Northern District	8-28-74	8-28-75 87.35
SACRAMENTO VALLEY WESTSIDE A3			
ALDER SPRINGS	COE Sacramento District	8-22-74	8-14-75 35.65
BALL MOUNTAIN LOOKOUT	DWR Northern District	6-11-74	6-06-75 51.12
LOG SPRING	COE Sacramento District	8-22-74	8-13-75 34.60
NOEL SPRING	COE Sacramento District	8-22-74	8-14-75 47.00
SADDLE CAMP RANGER STATION	DWR Northern District	6-14-74	6-03-75 38.75
TROUGH SPRING	COE Sacramento District	8-23-74	8-15-75 46.85
SACRAMENTO VALLEY NORTHEAST A4			
DeWITT PEAK 2 WSW	DWR Northern District	6-12-74	6-04-75 25.19
HOGBACK ROAD	DWR Northern District	6-12-74	6-04-75 30.82
MCCARTHY POINT	DWR Northern District	6-13-74	6-05-75 42.82
TWENTY MILE HOLLOW	DWR Northern District	6-13-74	6-05-75 26.19
FEATHER RIVER A5			
BOULDER CREEK GUARD STATION	DWR Central District	8-21-74	8-19-75 27.87
CAMEL PEAK	DWR Central District	8-19-74	8-18-75 70.45
CLARKS PEAK 1 NE	DWR Central District	8-21-74	8-28-75 26.77
CLOVER VALLEY	DWR Central District	8-22-74	8-29-75 20.52
GRANITE SPRING	DWR Central District	8-21-74	8-19-75 18.82
LIGHTS CREEK	DWR Central District	8-20-74	8-28-75 39.01
LITTLE LAST CHANCE VALLEY	DWR Central District	8-21-74	8-29-75 18.28
MT. HOUGH SNOWCOURSE	DWR Central District	8-20-74	8-28-75 56.29
ONION VALLEY	DWR Central District	8-19-74	8-18-75 58.66
SWAIN MOUNTAIN	DWR Central District	8-20-74	8-19-75 54.94
THREE MILE VALLEY	DWR Central District	8-22-74	8-29-75 41.94
AMERICAN RIVER A7			
BRUSHY SPRINGS GUARD STATION	Placer County Water Agency	8-08-74	7-17-75 49.86
FORNI RIDGE	DWR Snow Surveys	9-30-74	10-09-75 56.92
GERLE CREEK CAMP	Sacramento Muni. Util. Dist.	9-10-74	9-09-75 55.87
ROBERTSON FLAT	Placer County Water Agency	7-26-74	7-17-75 72.63
THE CEDARS	DWR Central District	9-16-74	9-12-75 58.27
WESTVILLE	Placer County Water Agency	7-26-74	7-17-75 55.79
WRIGHTS LAKE	Sacramento Muni. Util. Dist.	9-10-74	9-09-75 59.67
SAN JOAQUIN RIVER BASIN			
COSUMNES RIVER B1			
LUMBERYARD	DWR Central District	10-04-74	9-15-75 69.50
MOKELUMNE-CALAVERAS RIVERS B2			
HIGHLAND LAKES	DWR San Joaquin District	7-10-74	7-10-75 32.6
NORTH LAHONTAN AREA			
MADELINE PLAINS G2			
DODGE RESERVOIR 3 NNE	DWR Northern District	6-18-74	8-27-75 17.27
EAGLE LAKE G3			
CHAMPS FLAT	DWR Northern District	6-17-74	6-13-75 20.68
TRUCKEE RIVER G7			
BROCKWAY SUMMIT	COE Sacramento District	11-01-74	7-16-75 34.90

NR - No Record due to vandalism

## APPENDIX B

### SURFACE WATER MEASUREMENTS

This appendix contains surface water data for the 1975 water year, which is from October 1, 1974, to September 30, 1975. The data consists of unimpaired runoff; daily mean discharges; daily mean gage heights, maximum and minimum gage heights; elevations of daily tides; gaging station locations; diversion quantities; water imported to the report area; water exported from the report area; summary of water supply and utilization for the Sacramento-San Joaquin Delta; streamflow measurements at miscellaneous locations; corrections and revisions to previously published reports; and contents and inflow for major reservoirs.





Each station in this appendix has been assigned an identification number. The first two digits denote the hydrographic unit as shown below. The remaining digits further identify the station.

<u>Sacramento River Basin</u>	<u>San Joaquin River Basin</u>	<u>North Lahontan Area</u>
A0 Sacramento Valley Floor	B0 San Joaquin Valley Floor	G1 Surprise Valley
A1 Pit River	B1 Cosumnes River	G2 Madeline Plains
A2 Shasta Lake	B2 Mokelumne-Calaveras Rivers	G3 Eagle Lake
A3 Sacramento Valley Westside	B8 San Joaquin Valley Westside	G4 Susan River
A4 Sacramento Valley Northeast	B9 Sacramento-San Joaquin Delta	G5 Smoke River
A5 Feather River		G6 Herlong
A6 Yuba-Bear Rivers		G7 Truckee River
A7 American River	<u>San Francisco Bay Area</u>	G8 Carson River
A8 Cache Creek		G9 Walker River
A9 Putah Creek	E0 San Francisco Bay	

In addition to data collected and published by the Department of Water Resources in this appendix, the U. S. Geological Survey collects and publishes data on many additional gaging stations for the same report area. This work is done under a federal-state cooperative contract or through cooperative arrangements with other local or governmental agencies. The data published in the following reports together with this report present a comprehensive analysis of water resources for the area:

1. "Water Resources Data for California, Part 1: Surface Water Records, Volume 2: Northern Great Basin and Central Valley". U. S. Department of the Interior, Geological Survey.
2. "Annual Report of Operations, Central Valley Operations Office, Water and Power Control Division". U. S. Department of the Interior, Bureau of Reclamation.
3. Bulletin No. 120, "Water Conditions in California, Fall Issue". Department of Water Resources.
4. Bulletin No. 132, "The California State Water Project". Department of Water Resources.
5. Bulletin No. 157, "Index of Stream Gaging Stations in and Adjacent to California, 1970". Department of Water Resources. This index contains the period of record -- with number of years missing -- and more information for stations in the report area. The index also identifies the agency from which a particular record may be obtained.

# LEGEND

-  BOUNDARY OF AREA OF INVESTIGATION
-  MAJOR DRAINAGE BOUNDARY
-  HYDROGRAPHIC BOUNDARY AND FIRST TWO SYMBOLS OF STATION CODE NUMBER
-  MEASUREMENT STATION AND LAST FOUR SYMBOLS OF THE STATION CODE NUMBER

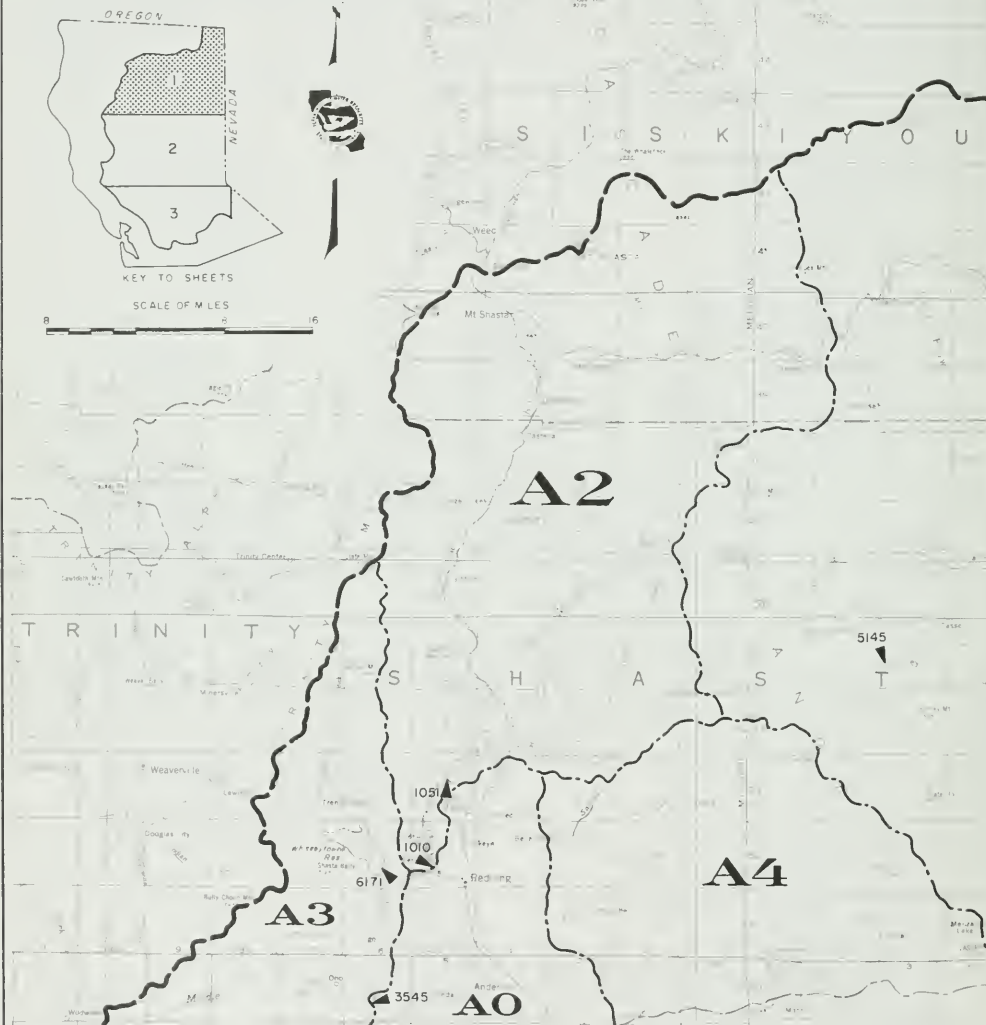
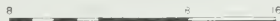
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KEY TO SHEETS

SCALE OF MILES



SURFACE WATER MEASUREMENT STATIONS 1974 - 75





SURFACE WATER MEASUREMENT STATIONS 1974 -75

BOUNDARY OF AREA OF INVESTIGATION

MAJOR DRAINAGE BOUNDARY

A8

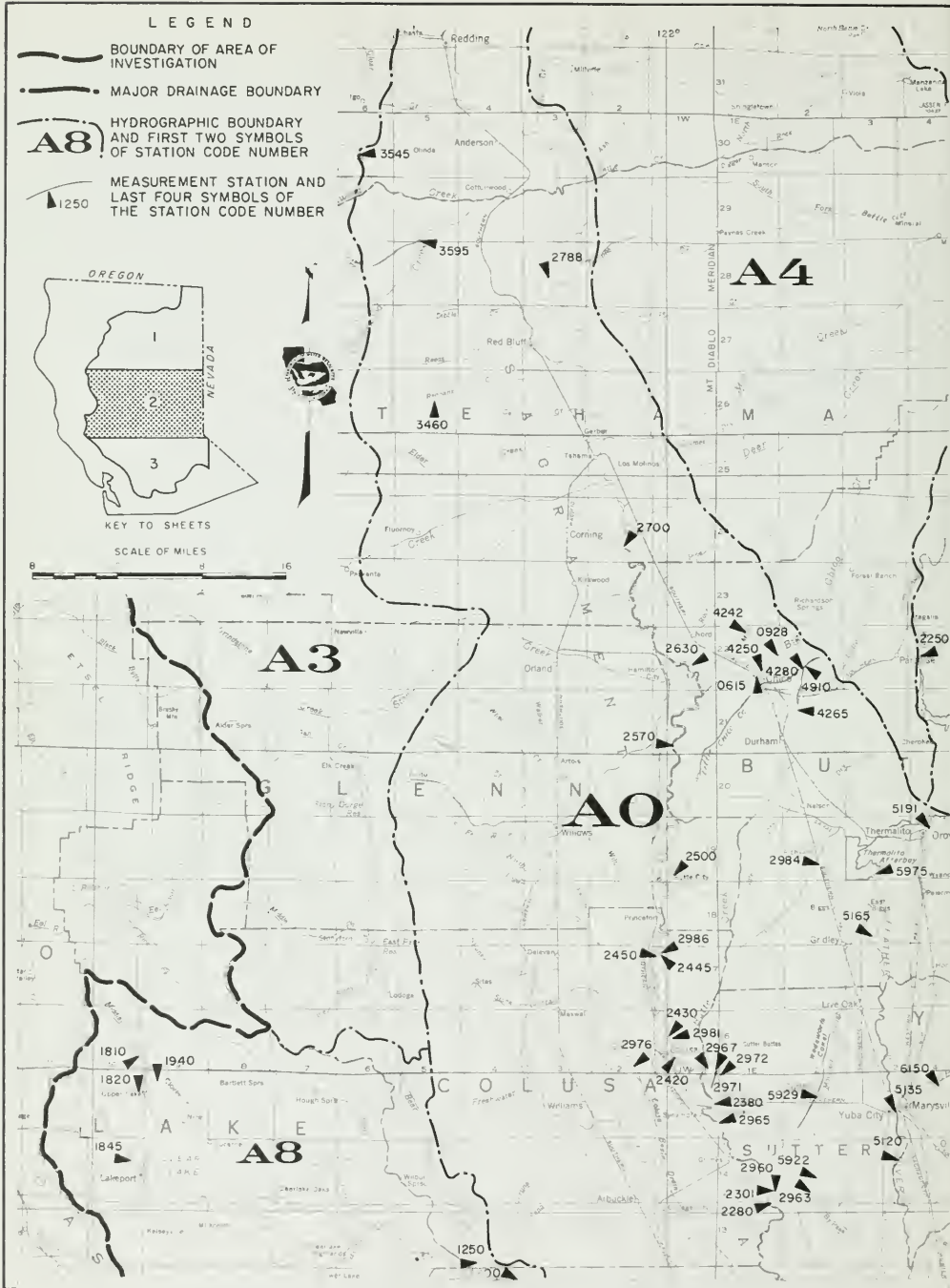
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AND FIRST TWO SYMBOLS  
OF STATION CODE NUMBER

MEASUREMENT STATION AND  
LAST FOUR SYMBOLS OF  
THE STATION CODE NUMBER

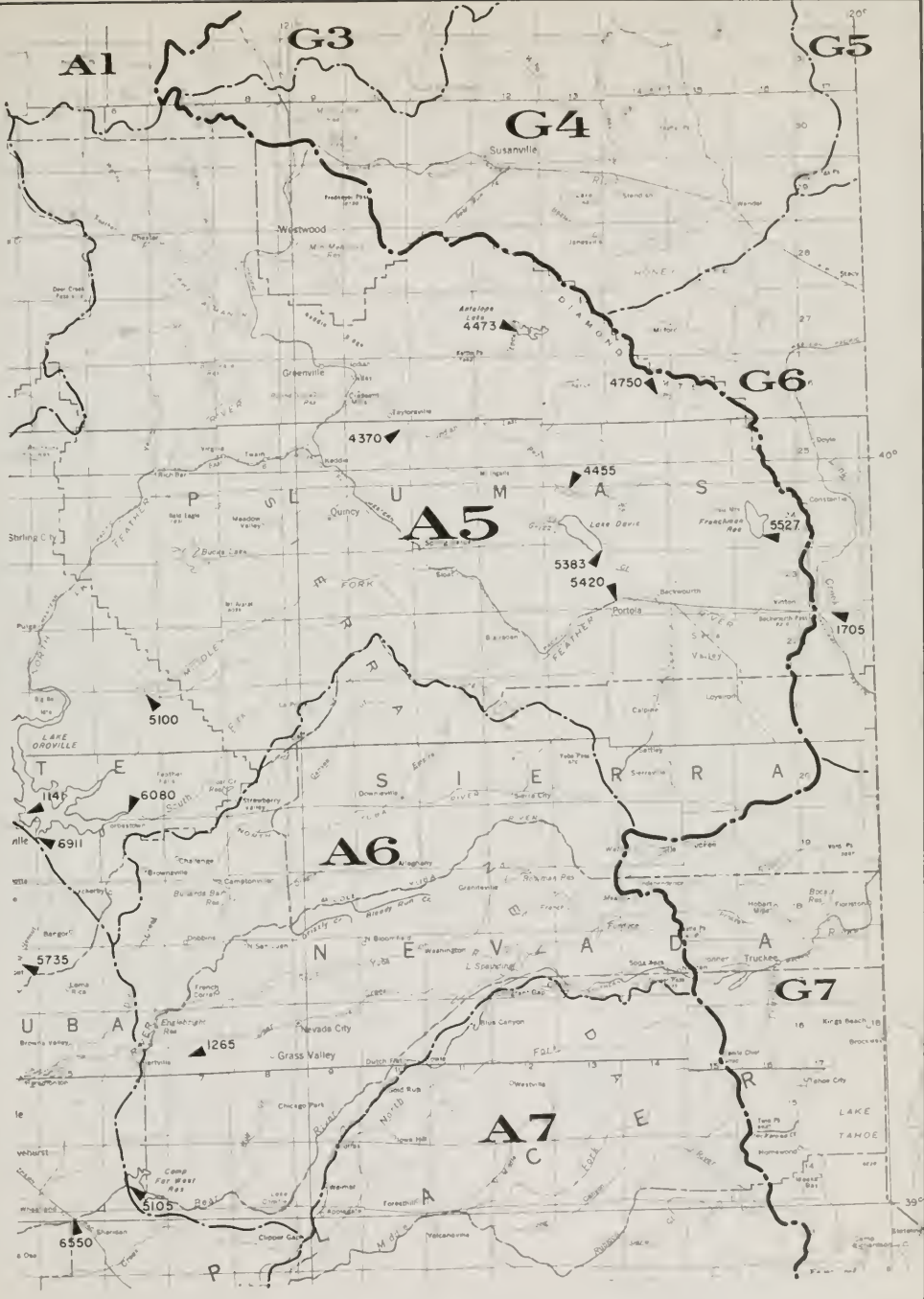


KEY TO SHEETS

SCALE OF MILES



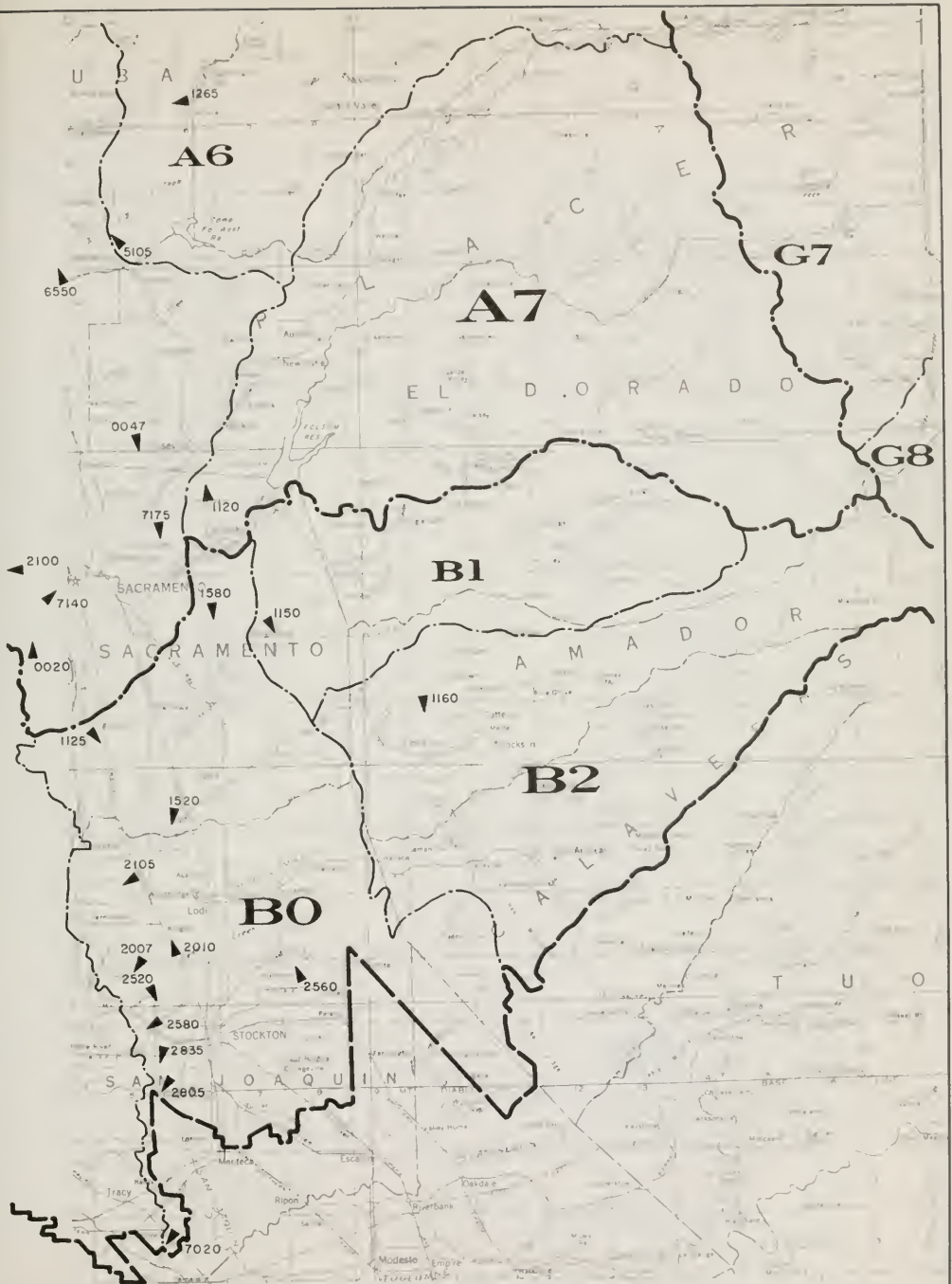
# SURFACE WATER MEASUREMENT STATIONS 1974 - 75



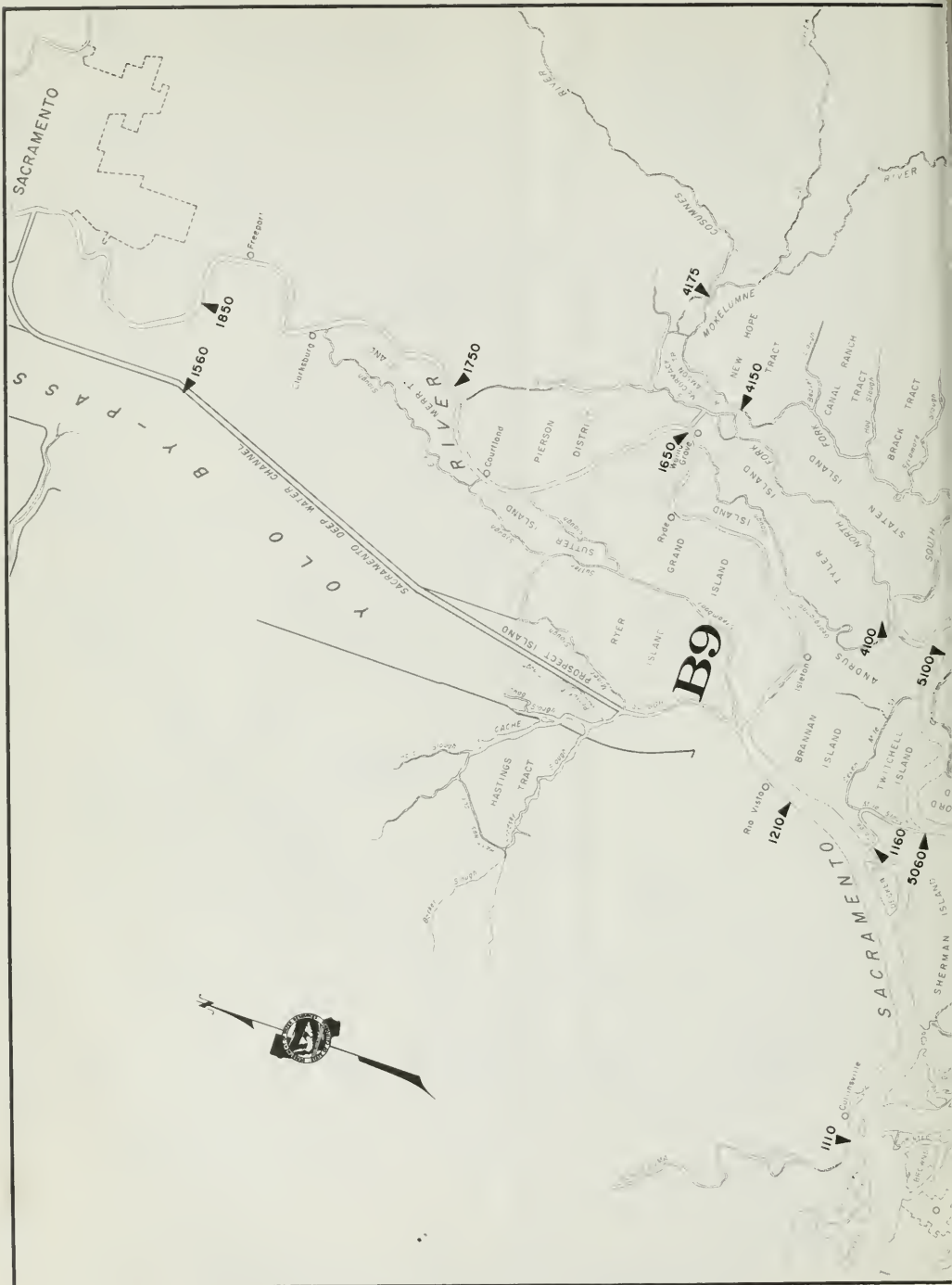
# SURFACE WATER MEASUREMENT STATIONS 1974 -75



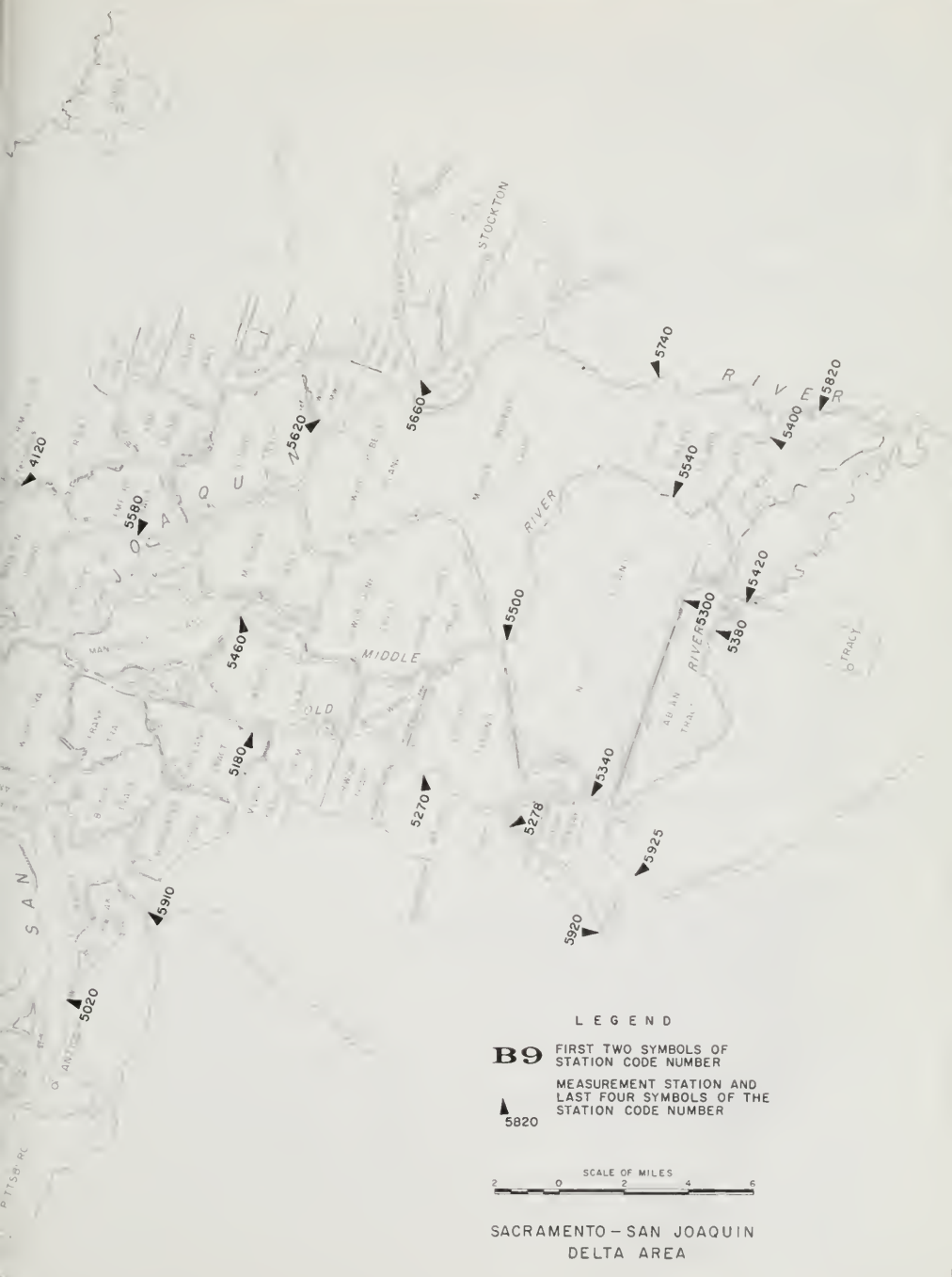




SURFACE WATER MEASUREMENT STATIONS 1974 - 75



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4100	Georgiana Slough at Mokelumne River. . . . .	- . . . .	214
4120	Little Potato Slough at Terminus . . . . .	- . . . .	212
4150	Mokelumne River, South Fork, at New Hope Bridge . . . . .	- . . . .	210
B94175	Mokelumne River near Thornton . . . . .	- . . . .	208
5020	San Joaquin River at Antioch . . . . .	- . . . .	220
5060	Threemile Slough at Mokelumne River . . . . .	- . . . .	218
5100	San Joaquin River at San Andreas Landing . . . . .	- . . . .	216
5180	Old River near Rock Slough. . . . .	- . . . .	206
B95270	Old River near Byron . . . . .	- . . . .	204
5278	Italian Slough near Mouth . . . . .	- . . . .	200
5300	Grantline Canal at Tracy Road Bridge . . . . .	- . . . .	202
5340	Old River at Clifton Court Ferry. . . . .	- . . . .	198
5380	Old River near Tracy Road Bridge . . . . .	- . . . .	194
B95400	Old River at Head. . . . .	- . . . .	178
5420	Tom Paine Slough above Mouth . . . . .	- . . . .	196
5460	Middle River at Bacon Island . . . . .	- . . . .	192
5500	Middle River at Borden Highway . . . . .	- . . . .	190
5540	Middle River at Mowry Bridge . . . . .	- . . . .	188
B95580	San Joaquin River at Venice Island . . . . .	- . . . .	186
5620	San Joaquin River at Rindge Pump. . . . .	- . . . .	184
5660	Stockton Ship Channel at Burns Cutoff . . . . .	- . . . .	182
5740	San Joaquin River at Brandt Bridge . . . . .	- . . . .	180
5820	San Joaquin River at Mossdale Bridge . . . . .	- . . . .	176
B95910	Contra Costa Canal near Oakley . . . . .	118 . . . .	-
5920	California Aqueduct at Delta Pumping Plant . . . . .	119 . . . .	-
5925	Delta-Mendota Canal near Tracy . . . . .	117 . . . .	-
HYDROGRAPHIC AREA E			
	<u>San Francisco Bay</u>		
E03300	Suisun Bay at Benicia . . . . .	- . . . .	222
HYDROGRAPHIC AREA G			
	<u>Surprise Valley</u>		
G12200	Bidwell Creek near Fort Bidwell . . . . .	121 . . . .	-
5150	Cedar Creek near Cedarville . . . . .	122 . . . .	-
7150	Eagle Creek at Eagleville . . . . .	123 . . . .	-
	<u>Eagle Lake</u>		
G31140	Pine Creek at Eagle Lake near Susanville . . . . .	124 . . . .	-
2100	Eagle Lake near Susanville . . . . .	- . . . .	160
	<u>Herlong</u>		
G61705	Long Valley Creek near Hallelujah Junction . . . . .	125 . . . .	-

TABLES B-1 AND B-2

UNIMPAIRED RUNOFF

Unimpaired runoff is defined as the flow that occurs naturally at a point in a stream if there are: (1) no upstream controls such as dams or reservoirs; (2) no diversions or unnatural accretions; and (3) no change in ground water storage resulting from development. The computed natural or unimpaired runoff values are considered to be the flows that would occur if no impairments were upstream from the measurement point.



TABLE B-1  
ANNUAL UNIMPAIRED RUNOFF

In Percent of Average

	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
Average Annual Runoff (b)	23,809	7,948	17,082	4,287	2,274	2,573	705	5,455
1933-34	48	57	51	47	43	44	42	42
1934-35	101	94	97	100	99	100	100	118
1935-36	106	89	102	100	114	132	127	119
1936-37	88	75	78	74	82	90	99	120
1937-38	189	185	186	201	177	175	176	206
1938-39	48	59	48	43	40	41	48	53
1939-40	128	132	131	132	126	132	122	121
1940-41	152	180	159	151	138	122	119	145
1941-42	143	142	148	155	150	152	140	135
1942-43	126	107	124	131	138	151	143	135
1943-44	63	59	61	67	61	57	63	72
1944-45	82	84	88	87	93	98	110	121
1945-46	102	101	102	98	106	111	106	105
1946-47	60	64	61	59	60	55	56	63
1947-48	88	96	92	90	88	87	90	77
1948-49	69	76	70	61	65	72	73	70
1949-50	85	72	85	90	98	104	107	85
1950-51	135	114	134	133	156	180	165	133
1951-52	168	145	167	186	181	193	188	171
1952-53	107	122	118	122	112	103	97	80
1953-54	94	117	102	99	84	78	75	79
1954-55	64	71	64	58	57	61	62	64
1955-56	174	167	175	186	174	181	177	179
1956-57	84	90	87	85	86	83	85	79
1957-58	167	190	174	163	155	159	151	153
1958-59	65	85	71	67	54	48	53	53
1959-60	70	81	76	75	75	65	59	54
1960-61	61	90	70	62	50	41	40	38
1961-62	91	94	88	85	85	80	91	103
1962-63	128	125	135	146	144	138	124	114
1963-64	62	66	64	60	65	63	61	58
1964-65	150	130	150	162	171	174	170	148
1965-66	74	92	76	67	63	54	65	73
1966-67	150	132	141	147	145	154	162	183
1967-68	72	87	80	81	69	66	58	54
1968-69	173	148	157	165	161	166	189	225
1969-70	130	147	140	142	128	123	126	103
1970-71	121	136	133	144	126	116	111	89
1971-72	74	83	79	75	75	73	73	65
1972-73	117	121	118	113	117	117	111	118
1973-74 (c)	172	200	189	190	172	165	143	130
1974-75 (c)	110	116	111	113	100	100	110	113

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

(b) Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.

(c) Preliminary data subject to revision.

TABLE B-2  
MONTHLY UNIMPAIRED RUNOFF  
In Percent of Average

		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
October 1974	Percent	105	118	108	106	50	89	54	84
	Average	512	292	460	107	35	25	5	46
November 1974	Percent	67	85	73	72	43	40	34	48
	Average	918	425	753	170	81	76	17	118
December 1974	Percent	42	55	44	41	21	24	25	43
	Average	1,983	837	1,618	380	202	199	39	253
January 1975	Percent	40	43	41	39	37	40	43	44
	Average	2,542	1,106	2,082	464	247	265	45	300
February 1975	Percent	102	108	102	99	102	81	71	100
	Average	2,907	1,275	2,416	541	287	313	56	400
March 1975	Percent	159	211	172	150	130	120	115	127
	Average	3,017	1,093	2,313	575	296	348	72	501
April 1975	Percent	84	123	94	85	69	66	56	61
	Average	3,664	1,006	2,568	720	383	459	127	864
May 1975	Percent	144	144	153	176	141	144	132	131
	Average	3,940	684	2,286	658	425	519	195	1,409
June 1975	Percent	175	143	176	200	202	178	193	171
	Average	2,467	435	1,262	331	219	278	121	1,069
July 1975	Percent	129	127	132	132	133	156	190	121
	Average	971	297	570	153	54	65	22	370
August 1975	Percent	122	129	126	124	74	171	200	101
	Average	489	251	394	102	24	16	4	89
September 1975	Percent	134	134	133	142	70	150	168	148
	Average	400	247	361	85	20	10	2	36
1974-75 Water Year	Percent	110	116	111	113	100	100	110	113
	Average	23,809	7,948	17,082	4,287	2,274	2,573	705	5,455

The percent values are preliminary, subject to revision.

Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only, and do not include runoff from minor tributaries and from the valley floor.

TABLE B-3

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION  
SACRAMENTO-SAN JOAQUIN DELTA

This table presents in thousands of acre-feet the correlation of water supply and use for the Sacramento-San Joaquin Delta Service Area.

The Delta Service Area is a natural hydrographic subdivision which is comprised of two subareas. One is the Delta Lowlands which are those lands within a boundary located approximately at the 5-foot contour; the Delta Uplands are those lands outside the Delta Lowlands boundary which are served by water from the lowland channels.

The water supply available to the Delta Service Area is the sum of the measured inflow and the precipitation. The measured inflow is determined from 14 gaging stations listed in the table. The precipitation is determined by the Thiessen Balance Method for stations located at Davis, Galt, Rio Vista, Lodi, Brentwood, Stockton, and Tracy S. P. "Water Utilization" in the same table includes agricultural use, evaporation, exports through the California Aqueduct, Delta-Mendota and Contra Costa Canals, and diversion for the City of Vallejo. Agricultural use in the uplands is the average measured diversions for the 10-year period October 1960 through September 1970. Agricultural use in the lowlands is computed by unit values of consumptive use of the various crops, multiplied by the acreages. Unit values of consumptive use were derived from experimental work by the University of California and California Extension Service as reported in Bulletin No. 27, "Variations and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bays". Crop acreage values used in this table were determined from a survey made in 1960 and 1961.

TABLE B-3  
SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION  
SACRAMENTO-SAN JOAQUIN DELTA  
(In Thousands of Acre-Feet)

Item	Record on Page No.	1974			1975								Water Year Total	
		OCT.	NOV	DEC.	JAN	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
WATER SUPPLY														
<u>Measured Inflow</u>														
Sacramento River at Sacramento	94	1,237	1,309	1,577	1,195	2,639	3,132	1,974	1,861	1,411	1,124	1,199	1,213	19,871
Sacramento Weir Spill to Yolo Bypass	92	0	0	0	0	1	2	0	0	0	0	0	0	3
Yolo Bypass near Woodland	102	1	1	7	1	211	503	77	15	1	0	0	6	823
South Fork Putah Creek near Davis	101	1	1	1	1	9	73	25	2	1	1	1	0	116
Morrison Creek near Sacramento	116	1	1	1	0	4	2	1	0	1	0	1	0	12
Cosumnes River at McConnell	115	1	3	4	10	65	104	70	77	23	3	1	0	361
Dry Creek near Galt	113	0	0	1	2	35	43	15	3	0	0	0	0	99
Mokelumne River at Woodbridge	111	39	26	11	6	4	28	61	55	46	26	27	34	363
Bear Creek near Lodi	110	0	0	0	0	7	6	1	0	0	0	0	0	14
Calaveras River near Stockton	106	0	1	0	0	0	0	0	1	1	1	2	1	7
Stockton Diverting Canal at Stockton	108	1	23	29	1	12	114	2	0	1	0	1	0	184
French Camp Slough near French Camp	104	5	0	1	0	12	28	6	5	5	4	3	7	76
San Joaquin River near Vernalis	103	215	231	256	232	345	349	236	244	340	106	103	158	2,815
Marsh Creek near Byron	120	0	0	0	0	1	2	1	0	0	0	0	0	4
<u>Precipitation</u>		52	28	132	51	242	225	64	0	2	8	18	0	822
TOTAL WATER SUPPLY														
		1,553	1,624	2,020	1,499	3,587	4,611	2,533	2,263	1,832	1,273	1,356	1,419	25,570
WATER UTILIZATION														
<u>Consumptive Use in Delta Lowlands</u>														
	97	58	32	36	53	79	118	137	182	214	203	146		1,355
<u>Exportations</u>														
Delta-Mendota Canal	117	212	0	1	165	232	231	251	243	238	283	276	216	2,348
Contra Costa Canal	118	6	4	4	4	5	4	6	7	10	11	10	8	79
City of Vallejo	134	2	1	1	1	1	1	1	1	1	2	2	1	15
California Aqueduct	119	62	111	171	167	135	137	118	94	12	16	254	233	1,510
<u>Delta Uplands Diversion*</u>		23	4	3	1	1	12	34	60	69	80	74	47	408
*Measurement of Delta Uplands diversions was discontinued in 1970. Quantities shown are the 10-year average from 1961 through 1970.														
TOTAL WATER UTILIZATION														
		402	178	212	374	427	464	528	542	512	606	819	651	5,715

TABLE B-4  
STREAMFLOW MEASUREMENTS  
AT MISCELLANEOUS SITES

This table shows the discharge rate on various streams at locations other than those where continuous recorders are maintained.

TABLE B-4  
STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

	Location		Measurements	
	Latitude	Longitude	Date	Discharge (cfs)
American River at Sacramento	38°34'08"	121°25'22"	10-8-74	4,007
American River at Sacramento	38°34'08"	121°25'22"	6-12-75	4,939
American River at Sacramento	38°34'08"	121°25'22"	7-24-75	2,802
American River at Sacramento	38°34'08"	121°25'22"	8-27-76	2,138

TABLE B-5

## DAILY MEAN DISCHARGE

The streamflow table for each stream or stream system is arranged in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named after the stream and the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Brandt Bridge).

The discharge estimated for periods of no record or invalid record are shown with the letter "E". Also qualified by the letter "E" are discharges obtained from extended ratings which exceed 140 per cent of the highest measured flow-rate on which the rating curve was based.

The discharge figures in this table have been rounded off as follows:

Daily Flows - Second-Feet

0.0	- 9.9	nearest	Tenth
10	- 999	"	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

Monthly Means - Second-Feet

0.0	- 99.9	nearest	Tenth
100	- 9,999	"	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred

Yearly Totals - Acre-Feet

0.0	- 9,999	nearest	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred
1,000,000	- 9,999,999	"	Thousand

The streamflow data received from cooperating agencies do not necessarily adhere to the above criteria.

Daily flow data computed by machines is rounded as listed above. However, monthly means, monthly acre-feet, and yearly totals are not rounded in this case.



TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	2.5	3.3	2.4	2.6	24	11	39	72	11	3.6	2.1	1
2	1.3	2.0	2.0	2.4	2.6	21	9.5	49	68	11	3.3	2.1	2
3	1.3	2.1	2.1	2.4	2.6	17	9.5	66	65	11	3.1	2.0	3
4	1.4	1.9	2.3	2.4	2.6	15	9.0	54	61	11	2.9	1.9	4
5	1.4	2.1	1.8	2.4	2.6	13	8.8	44	56	11	2.9	1.8	5
6	1.5	2.1	2.2	2.4	2.6	14	8.7	41	50	9.4	2.8	1.8	6
7	1.5	2.2	1.9	2.4	2.6	13	8.0	48	46	8.7	2.8	1.7	7
8	1.5	2.5	2.0	2.4	2.6	12	8.8	64	41	8.2	2.9	1.7	8
9	1.5	2.2	2.9	2.4	2.6	14	15	92	37	7.3	2.7	1.6	9
10	1.4	3.0	3.2	2.4	2.6	11	14	114	33	6.9	2.6	1.6	10
11	1.4	2.2	2.2	2.4	2.6	8.6	13	141	30	7.0	2.4	2.2	11
12	1.4	2.1	2.9	2.4	2.6	7.0	13	154	27	7.1	2.3	2.8	12
13	1.4	2.0	3.1	2.4	2.6	6.8	15	168	25	7.2	2.2	1.9	13
14	1.5	2.0	1.8	2.4	2.6	6.3	22	185	23	6.4	2.1	1.8	14
15	1.6	2.0	2.5	2.4	2.6	5.8	18	185	21	6.8	2.2	1.7	15
16	1.5	1.8	2.7	2.4	2.6	5.3	14	172	20	9.1	2.2	1.7	16
17	1.4	2.0	2.2	2.4	2.6	4.7	13	165	19	7.4	2.7	1.6	17
18	1.5	2.3	2.5	2.4	2.6	14	13	160	21	6.7	7.8	1.6	18
19	1.5	2.0	2.4	2.4	2.6	25	27	153	31	6.1	4.6	1.6	19
20	1.5	1.9	2.4	2.4	2.6	14	23	132	25	5.7	3.6	1.6	20
21	1.5	1.9	2.4	2.4	2.6	8.5	26	108	19	5.3	2.9	1.5	21
22	1.7	1.9	2.4	2.4	2.6	3.1	29	98	17	4.9	2.9	1.5	22
23	1.6	2.1	2.4	2.6	2.6	3.3	7.6	31	98	17	4.7	2.6	23
24	1.7	2.2	2.4	2.6	3.5	9.3	38	98	17	4.4	2.6	1.7	24
25	1.8	2.1	2.4	2.6	3.7	26	38	92	18	4.1	2.4	1.5	25
26	1.7	1.8	2.4	2.6	4.2	19	30	86	16	3.9	2.2	1.4	26
27	1.8	2.2	2.4	2.6	15	12	36	82	15	3.8	2.2	1.4	27
28	3.1	1.7	2.4	2.6	30	11	25	78	14	3.6	2.6	1.4	28
29	2.8	2.5	2.4	2.6	11	28	76	13	3.7	2.3	2.3	1.6	29
30	2.3	4.4	2.4	2.6	15	33	74	12	4.0	2.2	2.1	1.4	30
31	2.6	2.4	2.4	2.6	14		72		3.8	2.1			31
MEAN	1.7	2.2	2.4	2.5	4.2	12.7	19.2	102	31.0	6.8	2.9	1.7	MEAN
MAX.	3.1	4.4	3.3	2.6	30.0	26.0	38.0	185	72.0	11.0	7.8	2.8	MAX.
MIN.	1.3	1.7	1.8	2.4	2.6	4.7	8.0	39.0	12.0	3.6	2.1	1.4	MIN.
AC. FT.	102	130	148	151	233	780	1145	6327	1843	419	176	103	AC. FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY.

- E AND \*

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE 16.0	DISCHARGE 216 GAGE HT 4.94 MO. DAY TIME 05 14 1915	DISCHARGE 0.9 GAGE HT 1.65 MO. DAY TIME 11 28 2000	TOTAL ACRE FEET 11557

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 53 02	120 20 27	SE27 47N 14E	392	7164	1/23/70	JUNE 61-DATE	JUNE 61-DATE	1961		0.00	LOCAL

Station located at U.S. Highway 395 culvert, approximately 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship affected by ice at times. Small amount of diversion above station. Drainage area is 25.7 mi.

Station located at U.S. Highway 395 culvert, approximately 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship affected by ice at times. Small amount of diversion above station. Drainage area is 25.7 mi.

TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	414100	PINE CREEK NEAR ALTURA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14	15	13	5.1	11	10	12	21	82	41	25	16	1
2	14	14	14	5.1	10	11	12	22	94	41	24	16	2
3	14	14	13	5.1	10	12	12	23	101	40	23	16	3
4	14	14	14	5.7	9.9	13	12	24	102	40	23	16	4
5	14	14	13	6.3	9.7	13	12	25	107	40	22	16	5
6	14	14	13	7.0	9.4	13	12	25	109	39	22	16	6
7	14	14	12	7.6	9.1	13	12	27	107	39	21	16	7
8	14	14	10	8.3	8.9	13	12	28	102	39	21	17	8
9	14	14	13	9.1	8.6	13	12	29	92	39	21	17	9
10	14	14	13	9.9	8.3	13	13	30	82	40	21	17	10
11	14	14	14	11	8.1	13	13	33	74	39	20	17	11
12	14	13	14	11	7.8	13	13	34	69	38	18	17	12
13	14	13	13	12	7.6	13	13	39	66	37	16	17	13
14	14	13	14	13	7.4	13	13	46	66	36	18	17	14
15	14	13	15	14	7.2	13	13	50	67	37	18	16	15
16	13	12	14	14	7.0	13	13	49	67	38	18	17	16
17	14	12	13	14	6.7	14	14	51	66	35	19	16	17
18	13	13	12	14	6.5	14	14	52	60	34	23	16	18
19	13	13	13	14	6.1	14	14	53	75	33	22	16	19
20	13	12	12	14	5.9	14	14	48	64	32	19	16	20
21	13	12	11	14	5.7	14	15	47	58	32	19	15	21
22	13	12	11	14	5.5	14	15	51	57	31	19	15	22
23	13	13	9.9	14	5.9	14	15	55	56	30	18	15	23
24	13	13	9.4	14	6.7	15	16	56	55	29	18	15	24
25	13	13	8.9	13	7.4	15	17	54	54	29	18	15	25
26	13	13	8.1	13	8.1	15	18	54	52	28	17	15	26
27	13	13	7.4	12	8.9	14	18	56	49	27	17	15	27
28	16	12	6.7	12	9.7	13	19	58	46	26	17	14	28
29	15	12	6.3	12			20	61	44	30	17	14	29
30	15	13	5.7	11		12	20	65	41	28	16	14	30
31	16		5.1	11		12		72		26	16		31
MEAN	13.9	13.2	11.3	11.0	8.0	13.2	14.3	43.2	72.3	34.6	19.5	15.9	MEAN
MAX	16.0	15.0	15.0	14.0	11.0	15.0	20.0	72.0	109	41.0	25.0	17.0	MAX.
MIN.	13.0	12.0	5.1	5.1	5.5	10.0	12.0	21.0	41.0	26.0	16.0	14.0	MIN
AC FT	453	783	697	675	443	813	849	2658	4304	2128	1202	944	AC FT

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
22.6	125	2.13	06	05	2200	5.1	0.56	12	31	0000	1634.9

E - ESTIMATED  
NR - NO RECORD  
- DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY.  
- E AND -

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT.	DATE						
41 25 59	120 26 32	SW35 42N 13E	435	3.37	6/2/71	NOV 57-DATE	NOV 47-DATE	1957	0.00	LOCAL	
Station located approximately 0.3 mi. N of Pine Creek Boulevard, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Station discontinued in October 1963, reinstalled April 16, 1964 at a site approximately 2,000 feet downstream. Flow affected by Pine Creek Reservoir. Drainage area is 23.9 sq. mi.											

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24	40	36	32	41	346	217	350	94	27	31	27	1
2	24	36	36	29	41	394	206	378	91	26	30	27	2
3	25	34	38	32	39	433	202	433	86	26	29	28	3
4	25	34	44	40	39	388	197	401	73	26	29	28	4
5	26	34	46	39	38	325	224	349	68	28	29	19	5
6	26	34	38	38	38	496	204	295	63	26	28	14	6
7	26	36	38	40	36	420	177	280	56	25	28	14	7
8	27	37	37	49	44	435	194	288	54	24	29	17	8
9	29	38	36	42	101	477	204	315	49	24	29	18	9
10	28	35	36	39	121	329	333	338	46	24	29	22	10
11	27	35	37	38	124	225	328	351	41	24	28	24	11
12	26	35	40	37	320	179	318	353	40	25	28	22	12
13	30	35	40	36	673	161	338	351	37	26	27	20	13
14	28	35	42	36	332	131	551	369	36	27	27	22	14
15	27	34	44	36	137	138	435	374	34	30	28	21	15
16	32	34	46	37	94	150	314	332	32	34	29	23	16
17	34	34	42	38	69	136	249	322	31	32	29	21	17
18	32	38	39	39	65	217	227	295	33	31	44	19	18
19	30	36	38	40	64	523	395	280	44	36	35	19	19
20	29	34	41	42	66	335	376	241	55	28	31	20	20
21	30	34	44	42	61	230	399	206	37	25	30	21	21
22	30	35	39	41	58	187	401	201	31	23	31	20	22
23	31	34	34	47	67	192	412	191	27	28	29	22	23
24	34	34	36	64	87	244	557	175	36	36	29	24	24
25	35	41	36	70	137	573	608	162	46	31	29	23	25
26	33	38	36	65	161	312	475	140	40	29	26	24	26
27	33	37	37	43	296	245	383	132	34	28	28	24	27
28	41	36	32	36	374	183	328	125	31	28	27	24	28
29	38	35	31	37	186	320	320	116	29	29	24	27	29
30	35	36	36	33	268	333	103	29	30	26	26	28	30
31	43	30	30	36	292		96		31	27			31
MEAN	30.3	35.6	37.8	41.1	133	295	330	269	46.8	28.0	29.1	22.1	MEAN
MAX	43.0	41.0	46.0	70.0	673	573	608	434	94.0	38.0	44.0	28.0	MAX
MIN	24.0	34.0	30.0	29.0	36.0	131	177	96.0	27.0	23.0	24.0	14.0	MIN
AC. FT.	1860	2118	2327	2525	7388	18169	19646	16540	2783	1720	1787	1313	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

- E AND \*

MEAN	DISCHARGE	108.0	MAXIMUM	DISCHARGE	889	GAGE HT	9.21	MO	DAY	TIME	04	24	1830	MINIMUM	DISCHARGE	12.0	GAGE HT	4.61	MO	DAY	TIME	12	29	0700	TOTAL	ACRE FEET	78176
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LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	FROM	TO	ZERO ON GAGE	REF DATUM
			CF3	GAGE HT	DATE							
41 11 54	120 56 30	SW21 39N 9E	2950	14.69	1/24/70	MAR 37-SEP 57 SEP 57-DATE	MAR 37-SEP 57 SEP 57-DATE	1957			0.00	LOCAL

Station located 300 feet above State Highway 299 bridge. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Flow affected by upstream diversion. Drainage area is 258 sq. mi.

1 - Irrigation season only

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	39	25	29	29	83	139	193	165	40	22	19	1
2	17	37	31	29	30	93	129	203	162	38	21	19	2
3	17	37	74	29	29	92	148	284	156	36	21	18	3
4	18	32	51	28	30	87	124	273	148	35	21	18	4
5	18	33	35	28	30	83	119	214	141	35	20	18	5
6	18	32	32	27	30	84	114	190	133	33	20	18	6
7	18	33	30	33	41	100	109	190	128	32	20	17	7
8	19	33	29	78	66	134	108	203	120	32	18	17	8
9	20	27	28	40	142	140	107	221	105	31	18	17	9
10	21	27	27	33	116	120	106	237	99	31	18	17	10
11	22	26	27	31	97	105	102	254	94	31	18	17	11
12	23	26	30	30	282	94	110	265	89	30	17	17	12
13	24	25	29	29	577	90	120	276	85	30	17	17	13
14	25	25	27	28	209	82	127	293	81	29	17	17	14
15	25	25	27	28	134	80	113	309	77	29	17	17	15
16	27	25	27	27	110	78	106	290	74	30	17	16	16
17	29	26	28	27	94	79	102	278	70	29	17	16	17
18	29	29	27	27	85	197	101	270	66	28	21	16	18
19	28	27	26	26	108	515	110	268	63	27	19	16	19
20	27	27	26	26	94	312	115	246	62	25	18	16	20
21	29	35	27	26	78	216	121	215	60	25	18	16	21
22	30	29	26	26	73	190	128	202	57	26	18	15	22
23	31	29	25	26	70	166	133	194	54	25	18	15	23
24	33	31	24	26	67	185	279	188	52	23	18	15	24
25	34	32	26	27	65	378	321	184	51	23	18	15	25
26	35	30	26	33	64	291	236	175	50	23	18	15	26
27	37	28	50	30	66	226	198	169	49	22	18	15	27
28	45	25	33	30	74	183	186	165	47	22	20	15	28
29	35	25	33	28	163	181	162	45	22	19	15	29	
30	35	25	30	30	161	186	167	43	23	19	15	30	
31	46		31	26	159		163		22	18		31	
MEAN	26.8	29.3	31.2	30.4	103	160	142	223	87.5	28.6	18.7	16.5	MEAN
MAX	46.0	39.0	74.0	78.0	577	515	321	319	165	40.0	22.0	19.0	MAX
MIN.	16.0	25.0	24.0	26.0	29.0	78.0	101	160	43.0	22.0	17.0	15.0	MIN
AC. FT.	1950	1745	1918	1866	5732	9850	8485	13751	5209	1759	1148	980	AC FT.

E - ESTIMATED  
NR - NO RECORD  
- - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- - E AND -

WATER YEAR SUMMARY									
MEAN DISCHARGE		MAXIMUM				MINIMUM			
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY
74.7		1070	6.49	02	13	15.0	3.01	09	22
					0630				0000
TOTAL		ACRE FEET							
		54095							

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE			FROM	TO	
42 52 35	121 40 13	SE19 35N 3E	1070	6.49	2/13/75	NDV 74-DATE	NDV 74-DATE	1974		0.00
Station located at Park Ave Bridge. Tributary to Pit River. Stage-discharge relationship affected by Ice at times. Prior to November 1974 Station A15150 was located 1 mile upstream, at different Datum. Flow affected by upstream diversions. Drainage Area 88.7 sq. mi.										

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A03545	COTTONWOOD CREEK NORTH FORK NEAR 100

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	30	25	54	140	157	576	333	95	30	19	7.7	1
2	9.9	30	74	52	145	270	549	329	93	30	18	7.4	2
3	10	30	482	48	150	215	526	330	69	30	17	6.9	3
4	11	30	217	50	150	188	503	316	85	29	16	4.8	4
5	11	30	96	65	180	178	502	300	83	30	16	4.7	5
6	11	30	72	191	293	221	438	285	84	30	15	4.3	6
7	11	34	62	171	608	1,090	435	279	82	29	15	4.0	7
8	12	35	57	250	604	1,700	433	274	77	29	14	4.0	8
9	12	31	57	153	790	1,050	371	270	75	26	12	4.4	9
10	12	30	56	125	454	1,310	333	270	71	31	10	5.0	10
11	12	29	56	108	305	863	319	258	69	32	8.8	5.4	11
12	12	24	60	98	2,370	635	315	248	68	31	7.4	5.1	12
12	11	23	59	92	1,800	558	322	246	64	31	7.1	4.9	12
14	11	23	63	90	712	448	349	247	64	31	6.8	5.2	14
15	11	24	65	88	504	471	325	244	64	39	6.5	5.0	15
16	11	25	66	83	408	452	306	237	62	38	6.6	7.0	16
17	12	25	65	80	338	1,396	289	218	59	34	7.1	6.6	17
18	12	32	64	80	293	2,300	278	196	50	32	12	6.7	18
19	12	28	57	77	325	1,460	274	167	36	30	11	7.0	19
20	12	27	43	76	262	922	266	161	36	30	9.9	11	20
21	11	34	44	73	211	1,200	266	151	35	29	8.4	13	21
22	11	40	44	70	177	1,120	269	144	33	29	8.3	13	22
23	11	30	43	66	156	949	313	139	32	28	7.9	15	23
24	12	29	42	63	147	1,300	510	129	34	27	7.9	22	24
25	13	32	41	63	144	1,640	476	122	35	25	7.5	28	25
26	13	35	41	61	137	1,020	418	117	34	23	7.1	28	26
27	20	33	178	59	132	828	384	110	32	22	7.9	28	27
28	101	31	121	57	131	719	361	104	31	22	9.4	11	28
29	31	30	66	57		634	345	100	30	22	8.3	8.4	29
30	23	25	57	56		623	337	100	31	21	8.1	7.4	30
31	33		54	63		621		97		19	7.8		31
MEAN	16.3	29.6	81.3	87.7	430	881	379	210	57.8	28.7	10.4	9.7	MEAN
MAX.	101	40.0	482	250	2,370	2,300	576	333	95.0	39.0	19.0	28.0	MAX.
MIN.	9.9	23.0	25.0	48.0	131	157	266	97.0	30.0	19.0	6.5	4.0	MIN.
AC. FT.	1001	1763	5600	5393	23933	54204	22588	12932	3437	1763	642	577	AC. FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

- E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET
184.0	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	133235
	3810	34.68	02	12	3.6	29.73	09	07	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
40 26 32	122 32 57	NW21 30N 6W	11000	39.45	12/22/64	NOV 56-DATE	NOV 56-DATE	1956		30.60	LOCAL

Station located at county road bridge, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion and release from Rainbow Lake. Drainage area is 88.7 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A03595	COTTONWOOD CREEK SOUTH FORK NEAR COTTONWOOD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	22	15	42	102	621	756	371	434	76	18	7.4	1
2	1.7	21	21	41	123	756	857	413	421	75	16	6.9	2
3	1.7	18	1115	38	102	630	590	454	351	74	15	6.4	3
4	1.9	16	168	40	128	487	539	439	295	73	14	6.2	4
5	1.9	16	61	65	107	442	499	401	288	72	12	5.5	5
6	2.0	17	63	251	123	441	452	334	293	70	12	4.8	6
7	1.9	20	48	320	329	3270	423	322	271	68	11	4.3	7
8	2.3	21	37	390	592	2,290	407	384	253	67	10	3.8	8
9	3.1	24	29	276	1,670	1,450	331	453	223	65	9.9	3.4	9
10	3.1	23	26	168	871	1,220	299	494	203	63	9.7	3.2	10
11	3.1	22	24	131	438	862	291	468	198	60	9.0	3.8	11
12	3.0	21	25	115	1,460	650	423	428	177	57	8.5	4.1	12
13	3.0	19	35	109	3,780	530	316	452	167	54	8.3	3.9	13
14	2.8	18	46	102	1,820	438	402	582	162	52	8.2	3.8	14
15	2.5	19	38	99	1,030	397	401	615	153	58	8.7	3.8	15
16	2.1	20	40	95	717	452	341	531	141	76	8.8	3.7	16
17	2.0	21	38	92	502	536	284	466	132	65	8.1	3.5	17
18	2.3	21	34	87	445	1,540	261	483	124	57	11	3.5	18
19	2.2	22	31	83	505	2,000	257	533	119	52	14	3.3	19
20	2.2	24	30	79	1,160	1,300	260	465	115	47	15	3.3	20
21	1.9	25	30	75	695	2,050	274	390	109	43	13	3.2	21
22	1.7	26	29	71	471	1,290	307	323	104	40	11	2.8	22
23	1.8	27	31	69	437	966	326	312	100	36	10	2.6	23
24	2.1	27	30	66	426	1,220	450	348	95	33	9.9	2.6	24
25	2.7	26	31	62	435	2,760	732	371	94	29	9.2	2.6	25
26	2.8	25	34	59	446	1,620	518	327	90	26	8.2	2.3	26
27	4.0	24	42	56	446	1,310	431	338	84	24	7.9	2.1	27
28	11	21	107	57	557	954	410	338	80	22	9.3	2.0	28
29	25	19	65	53	786	361	340	78	20	10	2.1	2.9	29
30	23	17	51	51	769	351	372	76	20	9.5	2.2	3.0	30
31	22		48	55	846		415		19	8.3			31
MEAN	4.7	21.4	45.9	106	711	1,132	407	418	180	51.2	10.8	3.8	MEAN
MAX.	25.0	27.0	168	390	3,780	3,270	756	615	434	76.0	18.0	7.4	MAX.
MIN.	1.6	16.0	15.0	38.0	102	397	257	312	76.0	19.0	7.9	2.0	MIN.
AC. FT.	286	1273	2020	6540	39505	69626	24230	25718	10754	3148	661	225	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
255.2	7950	9.16	03	07	1245	1.4	0.93	10	24	0545	184786

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B. & M.	OF RECDRD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CFS	GAGE HT.	DATE				FRDM	TO	
40 18 58	122 26 52	SE32 29N 5W	18,700	13.30	1/16/73	APR58-DATE	APR 58-DATE		1958		0.00 LOCAL

Station located at Bowman Road bridge, 11 mi. SE of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion. Drainage area is 217 sq. mi.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)													
DAILY MEAN DISCHARGE													
(IN CUBIC FEET PER SECOND)													
WATER YEAR		STATION NO.		STATION NAME									
1975		A03460		REDBANK CREEK NEAR RED BLUFF									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	10	155	22	118	20	2.2	0.0	0.0	0.0	1
2	0.0	0.0	0.0	7.7*	114	26	102	20	2.5	0.0	0.0	0.0	2
3	0.0	0.0	290	5.3	71	23	92	20	2.4*	0.0	0.0	0.0	3
4	0.0	0.0	295	4.7	148	21	84	20	1.8	0.0	0.0	0.0	4
5	0.0	0.0	25	4.3	76	21	86	19	1.6	0.0	0.0	0.0	5
6	0.0	0.0	12	8.5	160	24 *	80	17 *	1.4	0.0	0.0	0.0	6
7	0.0	0.0	7.6	11	432	2,120	69	1.6 *	1.3	0.0	0.0*	0.0	7
8	0.0	0.0	5.4	11	927	1,480	64	13	1.0	0.0	0.0	0.0	8
9	0.0	0.0	3.7	12	1,070	559	54 *	12	0.8	0.0	0.0	0.0	9
10	0.0	0.0	2.7	9.9	331 *	629 *	47	11	0.6	0.0*	0.0	0.0*	10
11	0.0	0.0	2.1	7.7	146	346	41	11	0.6	0.0	0.0	0.0	11
12	0.0	0.0	1.9	5.6	701	194	38	10	0.5	0.0	0.0	0.0	12
13	0.0	0.0	1.6	4.3	894	138	37	9.4	0.4	0.0	0.0	0.0	13
14	0.0	0.0	1.3	3.9	201	104	43	8.9	0.4	0.0	0.0	0.0	14
15	0.0	0.0	1.2	3.4	111	100	41	8.8	0.3	0.0	0.0	0.0	15
16	0.0	0.0	1.1	2.8	84	153	34	8.2	0.3	0.0	0.0	0.0	16
17	0.0	0.0	0.9	2.1	63	636	31	7.2	0.3	0.0	0.0	0.0	17
18	0.0	0.0	0.8	1.9	46	728	29	6.3	0.3	0.0	0.0	0.0	18
19	0.0	0.0	0.7	1.6	43	362	28	4.9	0.2	0.0	0.0	0.0	19
20	0.0	0.0	0.7	1.5	43	233	26	4.5	0.2	0.0	0.0	0.0	20
21	0.0	0.0	0.7	1.3	34	1,610	25	5.4	0.2	0.0	0.0	0.0	21
22	0.0	0.0	0.7	1.1	28	1,100	23	5.4	0.1	0.0	0.0	0.0	22
23	0.0	0.0	0.6	1.0	25	734	26	4.2	0.1	0.0	0.0	0.0	23
24	0.0	0.0	0.5	0.9	26	1,110	31	4.4	0.1	0.0	0.0	0.0	24
25	0.0	0.0	0.5	0.9	25	977	33	3.8	0.1	0.0	0.0	0.0	25
26	0.0	0.0	0.6	0.8	23	462	29	3.7	0.0	0.0	0.0	0.0	26
27	0.0	0.0	69	0.6	22	314	24	3.5	0.0	0.0	0.0	0.0	27
28	0.0	0.0	106	0.6	22	225	23	3.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	30	0.5	183	22	2.8	2.8	0.0	41	0.0	0.0	29
30	0.0	0.0	17	0.5	160	21	2.5	0.0	2.3	0.0	0.0	0.0	30
31	0.0	0.0	12	3.1	140	2779	2.2	0.0	0.3	0.0	0.0	0.0	31
MEAN	0.0	0.0	28.8	4.2	217	481	46.7	9.3	0.7	1.4	0.0	0.0	MEAN
MAX.	0.0	0.0	295	12.0	1,070	2,120	118	20.0	2.5	41.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.5	22.0	21.0	11.0	2.2	0.0	0.0	0.0	0.0	MIN.
AC FT.			1768	259	12101	29621	2779	569	39	86			AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

- E AND \*

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MD	DAY TIME	DISCHARGE	GAGE HT	MD	DAY TIME	ACRE FEET
65.2	6310	9.41	03	07 1200	0.0	3.50	10	01 0000	47223

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 05 25	122 24 45	SE22 26N 5W	9729	10.06	1/5/65	FEB 48-JUL 49 MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 MAY 50-MAY 56 NOV 56-DATE	1956		0.00	LOCAL

Station located at Briggs Road bridge, 11 mi. SW of Red Bluff. Flow affected by upstream diversion. Drainage area is 93.5 sq. mi.

" - Irrigation season only.

Station located at Brigg Road bridge, 11 mi. SW of Red Bluff. Flow affected by upstream diversion. Drainage area is 93.5 sq. mi.

0 - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,980	11,800	11,500	8,390	14,900	13,400	10,400	19,800	17,900	13,300	11,900	12,600	1
2	9,020	11,800	11,700	8,260	26,000	14,400	15,510	19,800	17,700	13,200	11,800	12,700	2
3	9,110	9,570	14,300	8,210	15,500	14,600	14,900	20,400	17,500	13,200	11,800	12,200	3
4	9,100	8,770	27,200	8,130	15,200	14,000	15,400	21,500	17,500	13,100	11,800	11,200	4
5	9,080	8,330	14,600	8,180	13,900	13,500	17,200	20,700	17,000	13,200	11,800	10,500	5
6	9,170	8,230	12,800	10,700	14,800	13,600	17,900	20,400	18,200	13,100	11,800	9,050	6
7	9,300	8,320	12,200	12,800	25,600	30,300	10,300	20,600	18,100	13,100	11,800	9,040	7
8	9,020	9,210	12,100	18,300	34,000	49,500	17,000	20,200	17,700	13,000	11,900	9,040	8
9	9,220	11,300	11,900	13,200	48,800	43,300	17,000	20,600	17,200	13,000	12,600	8,920	9
10	9,140	11,800	11,900	10,300	30,800	37,100	15,800	21,000	17,100	13,000	12,700	9,170	10
11	9,100	11,600	11,800	9,980	20,900	33,300	15,000	21,000	17,000	13,000	12,400	9,230	11
12	9,100	11,700	11,800	9,010	32,000	28,800	15,400	21,100	17,000	13,000	12,600	9,210	12
13	9,250	11,700	11,900	8,750	90,900	26,400	16,200	21,200	16,800	12,900	12,300	9,050	13
14	9,260	11,600	12,000	8,590	53,000	28,100	17,300	21,500	16,700	13,000	12,300	9,060	14
15	9,260	11,700	11,900	8,480	32,600	24,200	18,000	22,200	16,600	13,000	12,300	9,050	15
16	9,260	11,600	11,800	8,400	27,800	25,700	15,300	21,700	16,700	13,200	12,300	8,990	16
17	9,200	11,600	11,800	8,250	25,100	25,300	15,200	21,300	16,500	13,100	12,300	9,000	17
18	9,210	11,600	10,600	8,330	22,900	50,600	15,800	21,300	16,200	12,800	12,700	9,070	18
19	9,480	11,600	9,760	8,250	21,000	70,100	16,000	21,500	15,800	12,600	13,200	9,230	19
20	10,500	11,800	9,780	8,250	29,300	63,800	16,300	20,500	15,200	12,500	13,000	9,270	20
21	11,100	11,800	9,640	8,250	23,100	54,100	15,600	19,200	14,700	12,500	12,800	9,270	21
22	11,200	11,700	9,620	8,250	20,900	74,800	15,700	18,700	14,100	12,400	12,800	9,320	22
23	11,700	11,600	9,550	8,210	20,000	44,200	15,700	18,200	13,900	12,100	12,500	9,270	23
24	9,190	11,600	9,460	8,250	19,400	49,500	16,900	17,800	14,100	12,300	12,500	9,220	24
25	9,130	11,800	9,290	8,310	18,600	75,100	21,800	17,800	14,000	12,500	12,500	9,240	25
26	9,140	11,800	8,600	8,330	16,800	56,300	20,000	17,600	13,900	12,200	12,500	9,170	26
27	9,280	11,700	9,110	8,300	14,800	34,500	18,500	17,600	13,800	12,000	12,600	9,230	27
28	9,980	11,500	10,400	8,260	13,500	33,500	17,900	17,500	13,500	12,000	12,600	9,180	28
29	10,500	11,800	10,300	8,280		27,700	17,800	17,600	13,500	12,000	12,700	9,280	29
30	11,100	11,500	8,940	8,250		21,700	19,300	17,700	13,400	11,900	12,700	9,170	30
31	11,900		8,580	8,460		18,200		17,700		11,900	12,700		31
MEAN	9,003	10,977	11,761	9,142	28,476	30,219	16,763	19,858	15,976	12,712	12,390	9,597	MEAN
MAX	11,900	11,800	27,200	18,300	90,900	75,100	21,800	22,200	18,200	13,300	13,200	12,700	MAX
MIN.	8,980	8,230	8,590	8,130	13,500	13,500	14,900	17,500	13,400	11,900	11,800	8,920	MIN.
AC. FT.	590474	653216	723153	562135	1471536	2227040	947487	1221024	951867	781686	761851	571101	AC. FT.

E - ESTIMATED  
NR - NO RECORD  
- DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
15902.1		106000	85.26	02	13	1730	7870.0	66.63	01	04	0400	11512576	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM		
			CFS	GAGE HT	DATE						FRDM	TD
39 54 34	122 05 31	NE28 24N 2W	171,000	91.48	1/24/70	APR 45-DATE	APR 45-DATE	1945		100.00	USED	
								1945		97.15	USGS	

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30,1943. Approximately 190,000 acre-feet diverted from the river between Keawick and Vina in addition to diversions from the tributaries. Trens-basin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 10,930 sq. mi.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,340	11,900	11,700	8,460	13,100	13,900	17,400	17,200	15,400	11,100	10,300	10,300	1
2	8,390	10,800	11,900	8,270	26,300	14,400	15,900	17,200	15,300	11,000	10,300	10,500	2
3	8,390	9,050	13,600	8,200	18,400	14,800	15,100	17,600	15,100	10,900	10,300	10,300	3
4	8,420	8,770	29,100	8,110	14,600	14,200	15,100	19,000	15,100	10,900	10,100	9,550	4
5	8,440	8,150	16,400	8,110	14,200	13,600	10,800	13,300	15,200	10,900	10,100	9,030	5
6	8,390	8,000	13,500	9,610	14,300	13,600	10,000	17,900	15,700	10,900	10,100	7,920	6
7	8,370	8,030	12,700	13,700	23,900	24,600	10,400	15,200	15,700	11,000	10,100	7,710	7
8	8,300	8,790	12,500	17,400	35,200	52,100	10,600	17,800	15,300	10,800	9,480	7,700	8
9	8,430	9,410	12,300	14,800	50,500	40,500	17,300	16,100	14,900	10,700	10,100	7,720	9
10	8,390	11,400	12,200	10,900	33,900	39,500	13,600	18,500	14,700	10,700	10,100	7,940	10
11	8,370	11,500	12,200	9,740	22,600	35,100	14,800	18,500	14,000	10,700	9,970	8,040	11
12	8,290	11,500	12,200	9,200	26,900	30,900	14,400	14,700	14,500	10,600	10,100	8,230	12
13	8,420	11,600	12,200	8,860	83,500	28,100	15,400	18,700	14,300	10,600	9,920	8,100	13
14	8,440	11,500	12,400	8,630	67,300	27,300	10,000	19,200	14,200	10,600	9,960	8,180	14
15	8,400	11,600	12,200	8,470	36,000	25,800	17,300	19,700	14,100	10,600	9,920	8,190	15
16	8,390	11,600	12,200	8,390	29,500	26,400	14,300	19,500	14,200	11,000	9,950	8,180	16
17	8,340	11,600	12,000	8,260	26,500	26,600	13,600	19,200	14,000	11,000	10,000	8,230	17
18	8,330	11,700	11,200	8,240	24,200	45,900	13,900	19,100	13,700	10,700	10,400	8,240	18
19	8,470	11,700	10,000	8,230	21,900	64,900	13,700	19,300	13,400	10,600	10,700	8,300	19
20	9,470	11,700	9,970	8,200	29,000	67,900	14,300	18,700	12,700	10,500	10,800	8,340	20
21	10,230	11,800	9,480	8,170	24,200	57,800	13,200	17,100	12,400	10,500	10,800	8,360	21
22	10,300	11,900	9,760	8,160	21,800	80,600	13,100	16,800	11,800	10,400	10,300	8,420	22
23	10,200	11,900	9,680	8,160	20,800	53,400	13,400	16,200	11,600	10,100	10,200	8,340	23
24	8,770	11,000	9,590	8,120	20,100	50,500	14,100	15,600	11,700	10,300	10,100	8,320	24
25	8,550	11,000	9,540	8,210	19,400	70,800	16,900	15,600	11,700	10,400	10,100	8,370	25
26	8,550	12,000	8,480	8,250	17,500	63,700	14,000	15,500	11,500	10,400	10,100	8,400	26
27	8,670	11,900	8,570	8,200	15,500	44,100	10,300	15,300	11,400	10,300	10,100	8,590	27
28	9,270	11,000	19,000	8,170	13,800	30,700	15,500	15,200	11,300	10,300	10,200	8,750	28
29	9,850	11,000	11,400	8,190		31,300	15,200	15,300	11,300	10,400	10,200	8,830	29
30	10,500	11,000	9,290	8,130		24,700	10,500	15,300	11,200	10,200	10,300	8,570	30
31	11,500		8,700	8,360		20,300		15,300		10,200	10,300		31
MEAN	8,875	10,496	12,151	9,158	27,260	37,458	15,526	17,529	13,600	10,622	10,180	8,521	MEAN
MAX.	11,500	12,000	29,100	17,400	83,500	80,600	10,900	19,700	15,700	11,100	10,800	10,500	MAX.
MIN.	8,290	8,000	8,570	8,110	13,100	13,600	13,100	12,700	11,200	10,100	9,920	7,700	MIN.
AC. FT.	545732	654347	747173	563107	1513463	2363205	923960	1077818	809256	553157	625983	507074	AC. FT.

## WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	
15090.1	103000	44.99	02	13	2345	7340.0	28.50	09	09	1930	10924735

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 - E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 45 07	121 59 43	N20 22N 1W	158,000	49.65	1-17-74	SPR 45-DATE	27-DATE	1927 1945 1945	1945	127.9 100.0 96.5	USED USED USCFS

Station located at Gianella bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since Feb. 1940, are for the main river channel and do not include water bypassing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.1	0.2	7.1	436	12	44	17	1.9	0.0	0.0	0.0	1
2	0.0	0.0	0.0	5.2	492	14	39	15	2.0	0.0	0.0	0.0	2
3	0.0	0.0	32.4	4.1	45	12	37	15	1.9	0.0	0.0	0.0	3
4	0.0	0.0	173	3.5	91	11	34	14	1.5	0.0	0.0	0.0	4
5	0.0	0.0	21	3.2	88	11	40	14	1.2	0.0	0.0	0.0	5
6	0.0	0.0	8.6	71	134	23	37	12	0.9	0.0	0.0	0.0	6
7	0.0	3.2	9.0	62	168	263	34	12	0.9	0.0	0.0	0.0	7
8	0.0	5.7	3.1	81	NR	367	52	11	0.6	0.0	0.0	0.0	8
9	0.0	0.3	2.1	37	NR	635	53	12	0.3	0.0	0.0	0.0	9
10	0.0	0.0	1.6	21	NR	248	44	11	0.2	0.0	0.0	0.0	10
11	0.0	0.0	1.3	14	NR	144	40	9.5	0.1	0.0	0.0	0.0	11
12	0.0	0.0	1.9	10	NR	82	35	8.7	0.1	0.0	0.0	0.0	12
13	0.0	0.0	5.8	8.0	657	94	32	9.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	3.3	6.5	265	83	31	7.6	0.0	0.0	0.0	0.0	14
15	0.0	0.0	1.9	5.4	134	59	26	7.4	0.0	0.1	0.0	0.0	15
16	0.0	0.0	1.4	4.7	88	154	26	7.1	0.0	0.0	0.0	0.0	16
17	0.0	0.0	1.0	3.9	60	72	23	5.9	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.8	3.5	48	93	21	5.6	0.0	0.0	0.0	0.0	18
19	0.0	0.1	0.7	3.2	48	253	21	5.4	0.0	0.0	0.0	0.0	19
20	0.0	0.1	0.8	2.9	46	182	19	5.3	0.0	0.0	0.0	0.0	20
21	0.0	0.3	0.8	2.6	35	746	16	5.0	0.0	0.0	0.0	0.0	21
22	0.0	0.9	3.7	2.2	28	305	17	4.6	0.0	0.0	0.0	0.0	22
23	0.0	1.0	0.5	2.0	24	158	16	4.2	0.0	0.0	0.0	0.0	23
24	0.0	0.6	0.6	1.8	22	177	24	3.8	0.0	0.0	0.0	0.0	24
25	0.0	0.4	0.9	1.8	20	258	27	3.5	0.1	0.0	0.0	0.0	25
26	0.0	0.5	0.9	1.7	18	162	23	3.1	0.2	0.0	0.0	0.0	26
27	0.0	0.6	2.0	1.4	15	121	21	2.9	0.0	0.0	0.0	0.0	27
28	1.4	0.4	398	1.3	12	90	20	2.5	0.0	0.3	0.0	0.0	28
29	0.0	0.3	46	1.6	71	71	19	2.1	0.0	0.0	0.0	0.0	29
30	0.0	0.3	20	1.8	58	58	19	2.0	0.0	0.0	0.0	0.0	30
31	3.0		4.8	4.2	52			1.8		0.0	0.0	0.0	31
MEAN	0.1	0.5	42.0	12.2	NR	161	29.8	7.7	0.4	0.0	0.0	0.0	MEAN
MAX.	3.0	5.7	398	81.0	NR	746	53.0	17.0	2.0	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.2	1.3	NR	11.0	16.0	1.8	0.0	0.0	0.0	0.0	MIN.
AC. FT.	9	29	2562	753	NR	9429	1773	476	24				AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO.	DAY	TIME	DISCHARGE	GAGE HT	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1.4 SEC T & R M D & AM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 47 02	121 53 06	SES 22N 1E	10,400		1/13/69	NOV 64-DATE	NOV 64-DATE	1964	0.00	LOCAL	

Station located 0.1 mi. above Old Highway 99E bridge, 4.9 mi. N of Chico. Tributary to Sacramento River via Big Chico Creek. Includes an undetermined amount of water from Big Chico Creek. Drainage area is 47.5 sq. mi.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A00928	MUD CREEK DIVERSION AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					40								AC. FT.

## WATER YEAR SUMMARY

E — ESTIMATED

NR — NO RECORD

\* — DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

— E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET
0.1	DISCHARGE	GAUGE HT.	MO	DAY	DISCHARGE	GAUGE HT.	MO	DAY	40
	187	8.96	02	13	0.0	7.16	10	01	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	DISCHARGE			DISCHARGE	GAUGE HEIGHT ONLY	PERIOD		ZERO ON GAUGE	REF DATUM
			CFS	GAUGE HT.	DATE			FROM	TO		
39 47 07	121 48 01	SW18 22N 2E	N.R.			NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.4 mi. above Wildwood Avenue bridge, 4.0 mi. NE of Chico. This flow is diverted from Lindo Channel into Mud Creek during periods of high water. Crest of diversion weir is at gage height 8.38.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO.		STATION NAME									
1975		804250		RIO CHICO CREEK AT CHICO									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.4	30	25	41	415	131	234	242	51	23	12	11	1
2	8.7	24	25	38	449	193	204	196	52	22	9.7	12	2
3	9.1	21	145	36	229	214	190	185	48	22	12	9.1	3
4	9.3	21	311	34	315	183	190	168	44	22	12	8.7	4
5	9.1	21	67	35	223	160	290	172	42	21	6.8	8.2	5
6	9.1	21	45	65	183	183	185	159	40	20	11	7.5	6
7	9.2	20	44	112	312	443	176	150	39	17	8.2	7.5	7
8	14	36	38	301	985	674	212	144	38	17	9.1	7.6	8
9	15	26	35	172	724	664	215	136	36	18	9.6	8.2	9
10	14	22	33	105	505	393	219	134	33	17	9.2	9.2	10
11	13	21	31	79	351	502	221	130	32	17	10	11	11
12	12	21	31	63	443	416	227	128	32	17	7.7	10	12
13	12	20	33	55	850	343	228	128	31	16	9.0	9.2	13
14	12	20	32	49	634	275	246	127	31	16	9.5	9.2	14
15	12	20	34	46	404	235	234	125	30	15	9.4	9.7	15
16	12	20	33	43	379	282	210	120	29	21	9.5	8.9	16
17	12	20	32	42	277	240	189	114	28	20	9.5	8.5	17
18	12	24	32	40	216	463	170	109	27	14	14	8.2	18
19	12	26	31	39	200	764	162	103	28	17	14	9.4	19
20	12	23	31	38	252	697	154	101	29	17	16	8.6	20
21	12	26	30	37	216	634	148	96	28	17	14	8.8	21
22	13	46	33	36	167	556	146	91	27	13	17	8.1	22
23	13	33	33	35	160	460	149	77	26	13	17	7.9	23
24	14	28	33	34	144	444	279	74	20	13	15	8.1	24
25	15	29	32	33	134	731	569	71	32	13	13	7.8	25
26	15	30	32	33	125	642	423	67	28	12	11	7.3	26
27	19	27	109	33	122	539	350	64	26	12	11	7.4	27
28	29	26	150	32	123	446	297	61	25	13	12	7.2	28
29	26	75	35	35	373	240	56	24	11	11	11	7.5	29
30	21	25	34	32	305	222	53	23	12	10	10	7.6	30
31	29	46	36	36	270	270	52		11	11			31
MEAN	14.1	25.3	56.3	54.4	325	421	227	116	32.8	16.5	11.4	8.0	MEAN
MAX.	24.0	46.0	311	331	850	764	569	202	23.0	23.0	14.0	12.0	MAX.
MIN.	8.4	20.0	25.0	32.0	122	131	148	52.0	23.0	11.0	6.8	7.2	MIN.
AC FT.	865	1505	3463	3540	16107	25902	13543	7150	1954	1018	704	513	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY.

- E AND \*

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME
108.2		932	9.43	02	13	1030	1.5	3.61	06	11	2300
										ACRE FEET	
										78314	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M.O.B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CF5	GAGE HT	DATE						
39 43 38	121 51 43	SE28 22N 1E	N.R.			JAN 56-DATE	JAN 56-DATE	1956		167.88	USED

Station located 50 ft. above Rose Avenue Highway bridge, immediately W of Chico. Tributary to Sacramento River. Flow affected by upstream diversion.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	2.7	3.3	34	18	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	13	26	14	0.0	0.0	0.0	0.0	2
3	0.0	0.0	7.7*	0.0	4.7	21	21	13	0.0	0.0*	0.0	0.0*	3
4	0.0	0.0	3.0	0.0	21	14	20	15	0.0*	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	4.3	10	24	11	0.0	0.0	0.0*	5
6	0.0	0.0	0.0	0.0	0.2	5.0	20	8.1	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0*	2.4	14.5	17	5.7	0.0	0.0	0.0	0.0	7
8	0.0	0.0*	0.0	0.0	6.6	4.66	25	4.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	1.3	0.0	4.0	20	2.7	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	3.0	312	20	1.8	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	1.0	167	27	1.5	0.0	0.0	0.0	0.0*	11
12	0.0	0.0	0.0	0.0	1.0	93	24	1.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	1.0	66	20	0.6	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	4.0	46	31	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	1.0	37	29	0.0	0.0	0.0	0.0	0.0	15
16	0.0*	0.0	0.0	0.0	0.0	4.4	22	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0*	0.0	0.0	36	17	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	2.3	124	13	0.0	0.0*	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	1.4	99.0	11	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	2.4	572	8.3	0.0*	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0*	21	35.3	0.8	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	1.4	20.0	0.2	0.0	0.0	0.0*	0.0*	0.0	22
23	0.0	0.0	0.0	0.0	4.7	121	6.1	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.4	11.0	5.4	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	4.1	785	13.9	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	2.0	413	0.4	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	4.5	0.0	1.4	20.4	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	8.2	0.0	1.4	12.0	3.9	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	7.9	2.9	0.0	0.0	0.0	0.0	0.0	29
30	0.0*	0.0	0.0	0.0	0.0	5.8	2.3	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.3	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	1.7	0.3	16.4	19.8	29.9	3.1	0.0	0.0	0.0	0.0	MEAN
MAX.	0.3	0.3	32.0	6.6	1.0	99.0	13.9	18.0	0.0	0.0	0.0	0.0	MAX.
MIN	0.0	0.0	0.0	0.0	1.4	3.3	6.1	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	2	1	10.4	17	911.6	1223.1	177.8	191	0.0	0.0	0.0	0.0	AC. FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

- E AND \*

MEAN		MAXIMUM		MINIMUM		TOTAL	
DISCHARGE	32.4	DISCHARGE	246.0	DISCHARGE	0.0	ACRE FEET	2343.9
		GAGE HT	7.98	GAGE HT	0.52		
		MO	02	MO	10		
		DAY	13	DAY	01		
		TIME	0945	TIME	0000		

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	OF RECORD		DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT							
39 44 57	121 52 06	NE21 22N 1E	3840	9.77	3/29/74	DEC 72-DATE	DEC 72-DATE	1972		170.00	USED

Station located right abutment, Cossick Ave. bridge, 2-1/2 mi. NW of Chico Post Office. Tributary to Sacramento River via Big Chico Creek. Flow affected by upstream diversion. Station A00600 was destroyed on December 5, 1972. Station A00615 was constructed about 3 1/2 miles upstream on December 20, 1972.



TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1974	412570	SACRAMENTO RIVER AT ORO FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9,110	7,460	46,111	52,000	52,000	37,500	122,000	13,500	14,700	11,300	9,940	11,400	1
2	9,130	7,410	85,400	47,900	51,200	43,500	123,000	12,900	14,400	11,300	9,900	11,500	2
3	9,160	7,410	53,210	44,900	43,300	34,800	114,000	12,300	14,400	11,100	9,930	11,600	3
4	9,100	7,420	51,000	37,900	40,400	28,200	104,000	11,700	14,400	10,800	10,600	11,600	4
5	9,120	7,490	54,500	33,900	38,400	23,500	70,700	11,300	13,800	10,700	10,600	11,600	5
6	8,330	7,060	51,100	35,100	13,000	22,100	57,300	11,900	13,700	10,700	10,100	11,600	6
7	7,510	9,170	53,200	35,200	30,100	30,300	51,900	17,000	13,800	10,900	10,100	11,700	7
8	9,290	13,000	48,500	34,300	27,300	52,500	47,100	18,200	13,400	11,200	10,300	11,800	8
9	9,440	11,700	42,300	30,500	26,000	31,900	46,700	18,200	13,300	11,700	10,600	11,900	9
10	8,840	14,700	35,400	26,900	21,600	30,300	46,700	18,600	13,100	12,200	10,900	12,100	10
11	8,730	45,500	33,500	26,200	18,700	27,900	44,900	16,500	12,900	11,800	11,000	11,800	11
12	8,070	72,700	30,500	28,200	17,900	32,100	43,700	18,500	12,900	11,400	11,200	11,200	12
13	8,630	58,200	35,600	34,600	24,100	27,300	42,900	18,300	12,600	10,600	11,100	11,100	13
14	8,500	46,800	30,300	38,900	24,100	23,400	42,100	17,300	12,500	10,700	12,100	11,300	14
15	8,500	41,600	32,600	69,000	23,900	22,500	37,800	15,100	12,400	10,700	11,100	11,400	15
16	7,650	46,200	30,500	114,000	23,500	37,200	33,700	14,900	12,800	10,600	11,100	11,600	16
17	7,270	58,600	30,400	139,000	22,700	33,900	32,600	14,800	12,500	10,500	11,100	11,600	17
18	7,100	67,500	32,900	129,000	21,400	40,300	32,200	14,900	12,400	10,400	11,100	10,600	18
19	7,070	71,300	31,100	118,000	24,300	39,300	30,800	15,000	12,300	10,500	11,200	9,940	19
20	7,160	48,000	30,100	112,000	28,700	30,300	22,700	14,800	12,400	10,400	11,200	9,090	20
21	7,120	24,900	35,900	99,300	23,200	37,300	17,600	14,100	12,500	10,300	11,100	8,900	21
22	7,270	44,000	66,700	95,500	22,400	30,300	13,000	13,500	12,200	10,400	11,200	8,860	22
23	8,130	52,300	49,100	89,700	21,500	31,400	14,200	14,300	12,200	10,300	11,100	8,820	23
24	8,550	50,300	44,500	84,800	20,800	22,500	14,300	14,300	12,600	10,100	11,100	8,740	24
25	8,100	49,500	41,300	62,100	19,400	17,700	13,100	14,600	11,900	10,100	11,200	8,600	25
26	7,570	48,300	39,700	79,700	18,100	16,600	14,800	14,100	11,000	10,000	11,200	8,630	26
27	7,020	43,300	40,200	71,300	16,800	17,400	14,000	14,200	11,500	10,000	11,200	8,050	27
28	7,010	38,000	51,300	67,500	16,200	20,500	18,000	14,300	11,400	10,000	11,100	8,570	28
29	7,530	37,400	63,900	82,900	12,400	19,300	14,600	14,600	11,300	10,000	11,200	8,570	29
30	7,470	42,300	41,100	61,300	9,400	9,400	17,800	12,000	11,400	10,000	11,300	8,620	30
31	7,440		54,500	53,700		12,400		14,800		9,980	11,400		31
MEAN	8,170	36,190	47,090	65,654	26,790	30,087	43,688	14,919	12,736	10,667	10,842	10,446	MEAN
MAX.	9,420	72,700	66,100	139,000	52,000	124,000	123,000	18,600	14,700	12,200	11,400	12,100	MAX.
MIN.	7,020	7,410	30,100	26,200	16,200	16,600	14,000	11,300	11,300	9,980	9,930	8,570	MIN.
AC FT.	5,2373	21,3443	289,8860	403,0956	1,488,198	2,214,908	2,599,536	917,325	757,894	655,894	666,704	621,609	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED NR - NO RECORD	MEAN		MAXIMUM				MINIMUM				TOTAL	
	DISCHARGE		DISCHARGE	GAGE HT	MO.	DAY	DISCHARGE	GAGE HT	MO.	DAY	AGE	FEET
	26955.3		142000	68.43	01	17	6860.0	46.43	10	20	19514706	

DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY.

= E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.O.R. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT	DATE						
39 37 39	121 59 28	SE32 21N 1W	142,000	68.43	1/17/74	JAN 46-DATE	21-MAY 27 #	1937	1960	0.00	USED
							FEB 37-MAY 37				
							OCT 37-MAY 39	1960		50.00	USED
							NOV 39-MAY 41 #				
							NOV 41-DATE				

Station located 0.1 mi. below Oro Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since December 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Oro Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 sq. mi.

# - Flood season only.



TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)													
DAILY MEAN DISCHARGE													
(IN CUBIC FEET PER SECOND)													
WATER YEAR		STATION NO.		STATION NAME									
1975		402570		SACRAMENTO RIVER AT ODU FERRY									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,610	11,700	12,000	8,980	10,900	14,600	20,700	18,000	15,400	11,100	10,200	10,500	1
2	8,610	10,900	12,100	8,720	25,500	14,800	18,600	18,000	15,300	11,000	10,200	10,600	2
3	8,600	9,960	13,200	8,820	19,000	15,400	17,000	18,100	15,000	10,900	10,200	10,600	3
4	8,620	9,200	29,300	8,500	14,400	14,800	16,400	19,600	14,900	10,800	10,100	9,960	4
5	8,630	8,630	18,900	8,470	15,000	14,300	17,500	19,100	15,000	10,800	10,100	9,490	5
6	8,580	8,410	14,200	9,020	14,000	14,300	19,000	18,600	15,400	10,900	10,100	8,490	6
7	8,570	8,370	13,200	13,800	20,100	19,600	17,700	18,900	15,500	10,900	10,100	8,050	7
8	8,520	8,600	12,800	15,400	34,900	59,800	17,500	18,500	15,100	10,800	10,000	7,940	8
9	8,570	9,830	12,600	16,700	50,400	57,900	18,800	18,700	14,700	10,600	10,100	8,030	9
10	8,620	11,200	12,500	11,800	41,400	48,700	17,100	18,900	14,400	10,700	9,990	8,080	10
11	8,530	11,500	12,300	10,400	25,300	45,900	16,400	19,100	14,300	10,600	10,000	8,260	11
12	8,480	11,600	12,400	9,710	23,200	37,800	15,700	19,200	14,200	10,600	10,100	8,410	12
13	8,550	11,700	12,400	9,340	72,300	33,400	16,600	19,200	14,100	10,500	9,990	8,360	13
14	8,590	11,700	12,500	9,080	88,700	31,800	16,900	19,600	13,900	10,500	9,990	8,400	14
15	8,520	11,600	12,800	8,930	47,000	29,400	18,500	20,100	13,900	10,500	9,980	8,410	15
16	8,500	11,800	12,300	8,790	34,900	29,300	15,900	19,900	14,000	10,900	10,000	8,410	16
17	8,460	11,800	12,200	8,670	30,100	29,700	14,800	19,600	13,800	10,900	10,000	8,420	17
18	8,470	11,900	11,600	8,590	27,500	40,300	15,100	19,400	13,500	10,700	10,300	8,430	18
19	8,450	11,900	10,900	8,580	24,200	65,200	14,800	19,500	13,400	10,600	10,700	8,500	19
20	9,200	11,900	10,200	8,520	29,800	79,900	15,100	19,200	12,700	10,500	10,900	8,540	20
21	9,970	11,900	10,200	8,490	28,300	64,100	14,400	17,600	12,400	10,500	10,600	8,580	21
22	10,100	12,100	10,100	8,450	24,400	87,700	14,100	16,900	11,800	10,400	10,400	8,530	22
23	10,100	12,100	9,960	8,410	22,200	69,800	14,300	16,600	11,600	10,200	10,300	8,590	23
24	9,490	12,000	9,910	8,350	21,100	54,300	14,900	15,900	11,400	10,300	10,200	8,560	24
25	8,610	12,000	9,980	8,370	20,400	71,700	14,300	15,800	11,600	10,300	10,200	8,580	25
26	8,640	12,100	9,360	8,370	18,600	79,600	14,600	15,700	11,500	10,400	10,200	8,600	26
27	8,700	12,200	9,920	8,310	16,600	54,200	17,700	15,400	11,400	10,200	10,300	8,760	27
28	9,610	12,000	19,900	8,330	14,800	41,800	16,700	15,300	11,300	10,200	10,300	8,910	28
29	9,640	12,000	13,200	8,310		35,900	16,200	15,300	11,100	10,200	10,400	9,010	29
30	10,200	12,000	19,100	8,250		28,700	17,200	15,300	11,100	10,300	10,400	8,850	30
31	11,900		9,340	8,230		23,600		15,300		10,100	10,500		31
MEAN	8,923	11,166	12,515	9,435	29,167	42,316	16,816	17,995	13,463	10,577	10,221	8,765	MEAN
MAX.	11,000	12,200	28,300	16,700	88,700	87,700	20,700	20,100	15,500	11,100	10,900	10,500	MAX.
MIN.	8,450	8,370	8,920	8,230	10,900	14,300	14,100	15,300	11,100	10,100	9,980	7,940	MIN.
AC FT.	54,707	64,462	79,927	58,014	161,652	280,191	100,061	110,344	80,112	65,038	62,842	52,153	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

- - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
15666.6	101000	64.05	02	14	0715	7690.0	47.27	09	10	0015	1148687.0

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R MO B A M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 37 39	121 59 28	SE32 21N 1W	142,000	68.43	1/17/74	JAN 48-DATE	21-MAY 27 #	1937	1960	0.00	USED
							FEB 37-MAY 37				
							OCT 37-MAY 39	1960		50.00	USED
							NOV 39-MAY 41 #				
							NOV 41-DATE				

Station located 0.1 mi. below Odu Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Sutte Basin. Flow regulated by Shasta Lake since December 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Odu Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 sq. mi.

# - Flood season only.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02986	MOULTON WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0*	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0*	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	4+310	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	1+420	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0*	3+1	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	1+940	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	1+740	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	2+090	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	4+510	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	349	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	176	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	3+560	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	1+440	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	206	516	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	4+310	4+510	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					11457	31752							AC. FT.

## WATER YEAR SUMMARY

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 — E AND \*

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO	DAY	TIME	TOTAL ACRE FEET
59.7	6350	79.28	02	14	1800	0.0	74.00	10	01	0000	43208

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC. T & R N O B & W	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 20 18	122 01 18	SE12 17N 2W	N.R.			JAN 40-DATE #	JAN 35-DATE #	1935	0.00	USED	
Station located west of south end of weir, 4.6 mi. S of Princeton. Elevation of weir crest is 76.75 ft. USED datum; length of crest is 500 ft.											
# — Flood season only.											

TABLE B-5 (Cont.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02981	COLUSA WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0*	0.0	0.0	0.0	0.0*	0.0	0.0	0.0*	0.0	0.0*	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0*	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	5.360	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	4.44	17.400	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	11.200	15.300	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	1.210	10.500 *	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	5.840 *	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	8.540	2.080	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0*	33.700 *	389	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	27.800	52	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	6.680	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	724	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	482	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	14.600	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	27.800 *	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	29.200 *	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	27.100	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	34.700	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	23.500	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	20.100	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	30.500	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	27.400	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	11.800	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	4.220	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0*	0.0	0.0	0.0	0.0	670	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	3.367	4.966	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	33.700	34.700	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC FT.					187029	612799							AC FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY.  
- E AND -

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE 1104.8	DISCHARGE 38600 GAGE HT 66.40 MO 02 DAY 14 TIME 2200	DISCHARGE 0.0 GAGE HT 61.00 MO 10 DAY 01 TIME 0000	ACRE FEET 799828

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE			FROM	TO	
39 14 12	121 59 38	SE1/4 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00
Station located at north end of weir, 2.0 mi. N of Colusa. Elevation of weir crest is 61.80 ft. USED datum; length of crest is 1,650' ft.										
# - Flood season only.										

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)													
DAILY MEAN DISCHARGE (IN CUBIC FEET PER SECOND)				WATER YEAR		STATION NO.		STATION NAME					
				1975		804910		LITTLE CHICO CREEK DIVERSION NEAR CHICO					
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	0.5	0.0	60.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	MAX
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN
AC FT.			1		36.5	9							AC FT.

E — ESTIMATED  
NR — NO RECORD  
\* — DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
— — E AND \*

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
0.5		716	3.07	02	01	1530	0.0	0.01	10	01	0000	377	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T. & R M.D.B. & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
			2450	3.99	3/29/74	JAN 59-DATE					
See Little Chico Creek near Chico for records of stage and location. This is flow diverted from Little Chico Creek, into Butte Creek during periods of high water.											

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	AU#265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	98	149	124	150	908	635	947	720	682	56	39	23	1
2	106	121	127	152	1,470	890	889	722	632	55	38	24	2
3	104	116	346	153	560	910	868	778	608	54	37	23	3
4	110	137	969	156	588	794	868	787	575	45	38	24	4
5	121	133	302	158	397	748	895	608	602	41	39	21	5
6	122	132	234	219	348	823	839	594	577	39	42	20	6
7	132	150	210	312	546	1,400	798	579	551	44	44	17	7
8	125	202	194	754	1,620	2,720	896	583	481	44	41	19	8
9	145	159	182	451	2,950	2,330	869	623	400	46	33	18	9
10	148	145	177	311	1,530	1,660	841	648	326	47	33	21	10
11	139	142	179	264	1,030	1,290	814	680	323	45	36	52	11
12	129	143	182	237	1,800	1,100	815	729	294	43	40	12	12
13	126	140	200	223	4,120	1,010	836	773	284	45	33	81	13
14	117	136	159	215	1,740	936	869	802	265	49	28	81	14
15	40	134	121	204	1,070	875	810	821	263	56	25	83	15
16	32	132	121	200	857	998	764	778	259	81	28	90	16
17	30	132	123	194	766	891	726	786	233	69	29	90	17
18	27	150	123	190	693	1,280	698	799	208	57	39	90	18
19	54	160	121	191	701	3,050	688	823	166	50	57	92	19
20	75	141	123	191	892	2,230	694	907	182	46	45	92	20
21	77	153	125	185	745	2,000	727	710	153	44	42	92	21
22	75	271	131	186	556	1,690	724	654	190	46	50	92	22
23	76	186	133	180	599	1,280	705	646	70	49	42	94	23
24	79	150	133	179	578	1,260	1,200	668	102	55	36	94	24
25	82	151	139	176	567	3,070	1,490	665	120	55	32	80	25
26	86	173	140	176	558	2,050	1,100	633	78	47	28	67	26
27	99	120	300	175	562	1,510	968	623	69	47	29	80	27
28	162	134	500	165	588	1,250	895	624	61	42	25	85	28
29	178	131	197	179	155	1,120	849	650	61	37	21	91	29
30	121	126	172	155	155	1,060	784	656	61	36	24	98	30
31	152		155	158		1,020		665		39	24		31
MEAN	102	148	205	220	1,051	1,416	802	700	294	48.7	35.4	63.5	MEAN
MAX	178	271	909	754	4,120	3,070	1,490	823	682	81.0	57.0	98.0	MAX
MIN	27.0	116	121	150	348	635	648	579	61.0	36.0	21.0	17.0	MIN
AC FT	6282	8824	12057	13565	58391	87078	51304	43039	17506	2993	2176	3780	AC FT

## WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL		
DISCHARGE	DISCHARGE	DATE	HT	MO	DAY	TIME	DISCHARGE	DATE	HT	MO	DAY	TIME	ACRE FEET
424.9	5370	7.20		02	13	0830	14.0		1.77	09	07	1515	307599

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 40 37	121 46 38	NM17 21N 2E	21,300 E	14.55	12/22/64	JAN 58-DAT8	JAN 58-DAT8	1958		181.01	USED

Station located 0.1 mi. below Ord-Chico Highway Bridge, 2.6 mi. NE of Durham. Tributary to Butte Slough. Flow affected at times by large upstream diversions and imports from West Branch Feather River.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR													STATION NO.	STATION NAME
1975													A0428U	LITTLE CHICO CREEK NEAR CHICO
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1	0.2	4.3	2.4	9.0	31.0	25	62	22	7.3	2.5	0.3	0.4	1	
2	0.1	2.4	2.0	7.6	30.0	29	55	20	7.3	2.6	0.3	0.3	2	
3	0.2	1.8	1.1	6.7	82	24	53	21	7.0	2.7	0.1	0.1	3	
4	0.3	1.6	7.0	5.8	94	22	56	20	6.2	3.0	0.1	0.1	4	
5	0.3	1.5	12	5.3	65	21	89	19	6.0	3.1	0.0	0.0	5	
6	0.1	1.5	7.9	37	66	36	67	18	5.5	2.9	0.0	0.0	6	
7	0.1	4.1	6.1	40	94	111	58	17	5.5	2.7	0.0	0.0	7	
8	0.3	6.5	5.0	66	440	215	108	16	5.0	2.8	0.0	0.0	8	
9	0.5	2.5	4.4	31	498	232	84	15	4.6	2.6	0.0	0.0	9	
10	1.0	1.8	4.0	20	204	172	69	15	4.3	2.2	0.0	0.3	10	
11	0.8	1.6	3.7	15	120	118	59	15	4.3	2.5	0.0	0.8	11	
12	0.7	1.7	4.6	11	483	84	52	14	4.3	2.5	0.0	0.7	12	
13	0.5	1.8	5.5	9.5	842	77	48	14	4.0	2.5	0.0	0.4	13	
14	0.5	1.8	4.6	8.3	295	67	45	13	3.9	2.3	0.1	0.3	14	
15	0.5	1.8	4.2	7.4	150	72	40	13	4.1	3.3	0.0	0.3	15	
16	0.4	2.1	4.2	6.7	105	106	35	13	4.2	5.6	0.0	0.2	16	
17	0.4	2.0	3.8	6.0	78	81	33	12	4.3	4.2	0.3	0.1	17	
18	0.4	2.3	3.7	5.7	63	131	30	12	4.2	3.0	2.2	0.1	18	
19	0.4	2.7	3.5	5.2	64	315	28	11	4.5	2.6	2.9	0.1	19	
20	0.4	2.8	3.2	4.8	58	203	27	11	4.8	2.2	2.0	0.1	20	
21	0.4	3.9	3.4	4.7	49	360	25	11	4.7	1.9	1.3	0.1	21	
22	0.2	6.0	5.5	4.2	43	269	24	11	4.2	1.5	1.1	0.1	22	
23	0.2	3.4	9.8	3.9	38	171	24	10	3.6	1.1	0.7	0.0	23	
24	0.8	2.8	7.4	3.7	35	174	46	10	4.7	0.7	0.4	0.0	24	
25	0.8	2.9	0.2	3.7	32	245	44	9.4	5.1	0.5	0.2	0.0	25	
26	1.0	2.9	0.0	3.7	29	175	35	9.0	4.0	0.2	0.2	0.0	26	
27	1.5	2.5	98	3.2	27	138	31	8.6	3.5	0.2	0.3	0.0	27	
28	7.8	2.8	131	3.4	24	113	27	8.2	3.2	0.2	0.6	0.0	28	
29	4.7	2.0	28	10	94	25	7.7	3.1	3.1	0.2	0.6	0.0	29	
30	2.1	2.4	16	5.8	81	24	7.2	2.8	2.8	0.5	0.5	0.0	30	
31	5.9		11	19	72		6.4			0.5	0.4		31	
MEAN	1.1	2.7	1.4	12.0	159	130	46.8	13.2	4.7	2.1	0.5	0.2	MEAN	
MAX.	7.8	6.5	131	66.0	642	360	108	22.0	7.3	5.6	2.9	0.8	MAX.	
MIN.	0.1	1.5	1.1	3.2	24.0	21.0	24.0	6.4	2.8	0.2	0.0	0.0	MIN.	
AC. FT.	66	160	1144	740	8834	8007	2783	812	278	130	29	9	AC FT.	

WATER YEAR SUMMARY															TOTAL								
MEAN		MAXIMUM					MINIMUM					TOTAL											
DISCHARGE		DISCHARGE		GAUGE HT		MO		DAY		TIME		DISCHARGE		GAUGE HT		MO		DAY		TIME		ACRE FEET	
31.0		1140		5.73		02		01		1545		0.0		0.10		10		02		1915		22993	
E — ESTIMATED																							
HR — NO RECORD																							
— DISCHARGE MEASUREMENT OR																							
OBSERVATION OF FLOW MADE THIS DAY																							
— E AND A																							

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T. & R. MOB & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 44 02	121 46 23	N29 22N 2E	1790	7.17	12/21/64	JAN 59-DATE	DEC 58-DATE	1958		296.00 USED
Station located above diversion dam 500 ft. S of Stilson Road, 3.6 mi. E of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion. Drainage area is 25.4 sq. mi.										

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.5	41	32	65	1,810	50	123	68	57	24	37	24	1
2	5.8	32	32	58	2,270	64	120	71	52	27	39	4.5	2
3	5.1	26	46	55	880	56	119	71	44	36	39	4.9	3
4	4.7	25	139	54	425	48	113	77	55	38	37	12	4
5	3.4	24	69	53	268	49	187	77	61	41	33	32	5
6	1.2	20	53	204	318	59	149	85	54	45	31	23	6
7	3.9	20	48	305	564	582	122	86	22	46	38	9.4	7
8	4.5	39	45	235	1,620	1,660	216	91	25	38	43	16	8
9	3.9	49	44	143	1,740	525	176	64	28	28	45	11	9
10	7.6	38	44	94	1,190	340	123	69	40	33	43	12	10
11	69	29	43	76	400	198	108	79	35	36	28	18	11
12	93	26	43	73	2,050	124	97	58	32	32	28	22	12
13	95	25	49	68	3,480	112	91	57	34	25	30	30	13
14	90	24	48	65	1,040	332	94	65	40	31	35	29	14
15	90	24	47	63	521	151	88	69	35	32	32	34	15
16	93	28	46	60	322	690	83	57	43	38	25	27	16
17	96	27	45	58	222	215	73	40	46	44	24	18	17
18	99	26	44	57	186	428	72	46	45	44	29	19	18
19	103	29	43	57	191	616	72	54	51	43	45	22	19
20	104	33	42	60	212	401	83	52	48	41	43	21	20
21	103	31	42	58	146	947	83	42	51	40	41	22	21
22	104	36	42	56	120	1,360	79	50	50	41	33	17	22
23	103	42	43	53	109	419	77	54	56	40	33	14	23
24	101	41	42	52	105	443	70	56	55	39	28	11	24
25	104	38	41	52	78	815	67	58	54	38	29	10	25
26	101	39	41	52	60	361	35	67	67	38	40	8.7	26
27	101	38	52	50	56	227	33	69	56	39	39	9.2	27
28	114	36	696	49	53	166	24	67	54	37	45	6.0	28
29	129	34	175	100		160	28	68	53	37	32	3.8	29
30	128	33	92	90		148	55	61	49	33	26	2.8	30
31	119		73	67		135		54		33	30		31
MEAN	70.5	31.8	75.5	83.3	722	383	95.4	63.9	46.1	36.7	34.8	16.5	MEAN
MAX.	129	49.0	696	305	3,480	1,660	218	91.0	61.0	46.0	45.0	34.0	MAX.
MIN.	1.2	20.0	32.0	49.0	53.0	48.0	24.0	40.0	22.0	24.0	24.0	2.8	MIN.
AC. FT.	4335	1890	4643	5121	40110	23566	5677	3931	2741	2255	2142	979	AC. FT.

## WATER YEAR SUMMARY

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 = — E AND \*

MEAN DISCHARGE	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
134.5	7130	DAGE HT 11.50	DAGE HT 1.81	ACRE FEET 97391
		NO. DAY 02 12 2115	NO. DAY 10 06 1400	
		TIME	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 27 53	121 44 37	NW34 19N 2E	15,200 E	13.80	10/13/62	JUN 60-DATE	JUL 60-DATE	1960		88.20	USGCS

Station located at Butte City Road bridge, 2.1 miles S of Richvale. Backwater from Cherokee Dam weir, 1.05 miles below station, at times affects the stage-discharge relationship.



**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	254	286	362	547	280	166	0.0	0.0	120	166	108	711	1
2	255	286	374	517	102	159	0.0	0.0	103	152	109	711	2
3	274	286	391	460	0.0	86	0.0	0.0	103	128	111	723	3
4	316	286	171	385	108	86	73	0.0	120	153	113	780	4
5	374	286	0.0	352	304	112	35	0.0	120	62	116	830	5
6	374	286	93	352	581	126	0.0	0.0	103	75	117	912	6
7	352	286	407	178	552	79	0.0	0.0	56	83	119	975	7
8	346	286	429	95	0.0	0.0	0.0	0.0	56	107	121	981	8
9	357	286	471	0.0	0.0	0.0	0.0	0.0	56	130	121	1060	9
10	374	286	434	96	0.0	0.0	0.0	0.0	45	139	98	1090	10
11	402	286	379	352	0.0	0.0	0.0	0.0	25	142	164	1040	11
12	402	286	316	407	0.0	0.0	0.0	0.0	0.0	149	208	988	12
13	413	286	255	407	0.0	0.0	0.0	0.0	0.0	158	200	994	13
14	429	286	209	407	0.0	0.0	0.0	0.0	0.0	162	222	1020	14
15	440	286	188	374	0.0	0.0	0.0	0.0	0.0	164	223	1000	15
16	413	267	181	369	0.0	0.0	0.0	0.0	0.0	158	236	969	16
17	369	267	174	340	0.0	0.0	17	0.0	0.0	152	385	912	17
18	362	280	166	304	0.0	0.0	76	0.0	0.0	172	360	755	18
19	357	286	195	304	0.0	0.0	76	0.0	0.0	184	571	660	19
20	352	286	209	346	0.0	0.0	67	0.0	19	178	482	635	20
21	346	316	195	429	0.0	0.0	56	0.0	86	227	527 *	605	21
22	340	304	195	429	0.0	0.0	76	22	112	248	547	532	22
23	334	304	188	440	0.0	0.0	34	67	136	240	572	572	23
24	328	311	202	429	0.0	0.0	0.0	76	112	254	567	527	24
25	323	323	209	492	0.0	0.0	0.0	112	112	259	581	465	25
26	315	328	230	455	0.0	0.0	0.0	120	112	248	581	374	26
27	311	328	262	402	0.0	0.0	0.0	144	120	250	600	340	27
28	304	346	159	352	59	0.0	0.0	144	152	244	600	310	28
29	298	346	14	298	0.0	0.0	0.0	152	174	140	600	310	29
30	292	352	445	292	0.0	0.0	0.0	144	159	99	620	304	30
31	286		577	286				136		109	667		31
MEAN	345	298	261	351	70.9	26.3	17	36	73.4	165	343	736	MEAN
MAX.	440	352	577	547	581	166	76	152	174	259	667	1090	MAX.
MIN.	254	267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	98	304	MIN.
AC. FT.	21210	17720	16030	21610	3939	1615	1012	2216	4366	10140	21120	43820	AC. FT.

**WATER YEAR SUMMARY**

E -- ESTIMATED

NR -- NO RECORD

\* -- DISCHARGE MEASUREMENT OR

OBSERVATION OF NO FLOW

# -- E AND \*

MEAN	DISCHARGE	MAXIMUM	GAGE HT	MO	DAY	TIME	MINIMUM	GAGE HT	MO	DAY	TIME	TOTAL
228	1090						0.0					164800

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE			FROM	TO	
39 11 44	121 56 04	NE 35 16N 1W	N.A.			JUN 23-OCT 38 JAN 39-DATE				0.00
Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. During the summer months these flows, together with the flow of Butte Slough near Meridian and Wadsworth Canal near Sutter are made up almost entirely of return water from lands irrigated by Feather River diversions.										
0 - Irrigation season only.										

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR													STATION NO.	STATION NAME
1975													AC2965	RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1	0.0	0.0	0.0	0.0	7.1	27	56	7.2	18	51	38	38	1	
2	0.0	0.0	0.0	0.0	71	37	34	37	38	37	38	38	2	
3	0.0	0.0	19	0.0	69	28	35	38	49	48	38	38	3	
4	0.0	0.0	27	26	48	0.0	26	38	54	37	45	38	4	
5	0.0	0.0	34	31	37	27	26	78	46	53	38	38	5	
6	0.0	0.0	10	0.0	37	37	20	78	38	37	38	38	6	
7	0.0	0.0	0.0	0.0	52	37	25	65	38	37	38	38	7	
8	0.0	0.0	0.0	0.0	56	72	26	73	53	37	37	37	8	
9	0.0	0.0	0.0	0.0	70	62	37	78	55	37	38	38	9	
10	0.0	0.0	0.0	26	86	60	21	88	29	37	38	38	10	
11	0.0	0.0	0.0	11	69	60	37	93	37	37	38	38	11	
12	0.0	28	0.0	0.0	67	62	37	93	37	37	38	38	12	
13	0.0	11	27	0.0	131	62	55	64	38	15	38	38	13	
14	0.0	0.0	11	0.0	115	62	37	37	38	31	51	61	14	
15	0.0	0.0	0.0	0.0	78	62	37	57	37	35	37	65	15	
16	0.0	0.0	0.0	0.0	56	62	37	78	30	48	38	40	16	
17	0.0	0.0	0.0	26	31	40	37	78	37	40	40	50	17	
18	0.0	0.0	0.0	11	59	32	50	76	28	55	38	50	18	
19	0.0	0.0	0.0	0.0	42	93	38	76	50	46	64	50	19	
20	0.0	0.0	0.0	0.0	33	60	32	103	46	49	59	39	20	
21	0.0	0.0	0.0	0.0	32	66	23	126	55	46	54	11	21	
22	0.0	0.0	0.0	0.0	32	81	27	58	37	46	58	0.0	22	
23	0.0	0.0	0.0	0.0	33	82	14	32	28	46	58	27	23	
24	0.0	0.0	11	0.0	47	80	25	37	19	45	58	37	24	
25	0.0	0.0	0.0	0.0	34	66	38	53	22	38	57	11	25	
26	0.0	0.0	0.0	0.0	35	69	38	53	29	37	38	0.0	26	
27	16	0.0	0.0	0.0	36	58	37	53	25	37	45 *	0.0	27	
28	0.0	0.0	23	0.0	11	60	12	54	45	19	45	0.0	28	
29	0.0	0.0	36	6.7		39	0.0	54	38	20	47	0.4	29	
30	0.0	0.0	14	7.1		31	0.0	22	51	0.0	47	27	30	
31	0.0		0.0	4.7		53		12		7.0	38		31	
MEAN	0.5	1.3	7.6	4.8	52.6	52.6	30.6	60.0	38.1	36.0	44.2	44.0	MEAN	
MAX	16	28	36	31	131	84	96	126	55	55	59	61	MAX	
MIN.	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.2	18	0.0	37	0.0	MIN	
AC. FT.	32	77	470	297	2924	3233	1819	3688	2271	2260	2710	2717	AC FT.	

**WATER YEAR SUMMARY**

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
31.0		NR					0.0					22420	

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
39 04 08	121 51 43	NE16 14N 1E	N.A.			MAY 24-OCT 38 "					
JAN 39-DATE											
Plant located 1.7 mi. E of Grimes. This is drainage returned by pumping and gravity. Plant also discharges additional unmeasured flows to irrigation canals.											
" - Irrigation season only.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02960	TISDALE WEIR SPILL TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0.0	0.0	1020						1
2					0.0	0.0	0.0						2
3					0.0	0.0	0.0						3
4					0.0	0.0	0.0						4
5					0.0	0.0	0.0						5
6					0.0	0.0	0.0						6
7					0.0	0.0	0.0						7
8					325	1760	0.0						8
9					5180	9060	0.0						9
10					9230	10100	0.0						10
11	N	N	N	N	6620 *	9690 *	0.0	N	N	N	N	N	11
12					2290	8530	0.0						12
13	O	O	O	O	3860	6840	0.0	O	O	O	O	O	13
14					15500	5630	0.0						14
15					15500	5150	0.0						15
16	F	F	F	F	10100	4250	0.0	F	F	F	F	F	16
17					6690	3990	0.0						17
18	L	L	L	L	5050	3800	0.0	L	L	L	L	L	18
19					3640	6620	0.0						19
20	O	O	O	O	2260	10100	0.0	O	O	O	O	O	20
21	W	W	W	W	4310	11600	0.0	W	W	W	W	W	21
22					3230	11000 *	0.0						22
23					1190	14400	0.0						23
24					21	14000	0.0						24
25					0.0	12500	0.0						25
26					0.0	14800	0.0						26
27					0.0	14400	0.0						27
28					0.0	10700	0.0						28
29						7700	0.0						29
30						5560	0.0						30
31						3670							31
MEAN					3393	6640	34.0						MEAN
MAX.					15500	14800	1020						MAX.
MIN.					0.0	0.0	0.0						MIN.
AC. FT.					188400	408300	2023						AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	ACRE FEET
827	NR				NR				5987

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E	25700	53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of north end of weir, 5.0 mi. SE of Grimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. USED datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship.

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	124	107	59	0.0	254	0.0	83	213	449	314	350	358	1
2	0.0	0.0	0.0	0.0	655	116	83	241	370	308	261	357	2
3	0.0	0.0	0.0	0.0	216	87	89	242	401	262	468	302	3
4	0.0	0.0	113	0.0	320	0.0	97	613	427	383	288	346	4
5	94	0.0	0.0	149	260	119	84	434	401	262	312	302	5
6	0.0	0.0	0.0	0.0	244	93	118	441	389	349	362	357	6
7	0.0	88	94	0.0	179	140	61	388	397	297	357	454	7
8	0.0	0.0	0.0	102	268	220	62	383	507	299	421	353	8
9	0.0	0.0	0.0	0.0	395	282	64	330	325	258	311	363	9
10	0.0	0.0	0.0	0.0	258	142	0.0	381	352	305	439	362	10
11	0.0	0.0	0.0	0.0	194	167	88	534	351	337	308	355	11
12	106	0.0	127	103	306	161	90	370	352	262	358	355	12
13	0.0	0.0	0.0	0.0	310	158	87	434	163	442	346	338	13
14	0.0	0.0	0.0	0.0	310	172	45	336	361	257	349	483	14
15	0.0	97	0.0	141	304	161	45	376	367	297	368 *	249	15
16	0.0	0.0	102	0.0	419	155	81	351	358	312	369	281	16
17	0.0	0.0	0.0	90	127	134	58	326	406	356	351	254	17
18	0.0	0.0	0.0	0.0	130	121	64	575	332	303	430	239	18
19	107	0.0	0.0	0.0	132	104	82	435	382	258	414	198	19
20	0.0	0.0	0.0	0.0	132	124	108	500	389	441	393	151	20
21	0.0	0.0	0.0	0.0	132	190	161	534	358	253	450	135	21
22	0.0	0.0	108	99	30	210	136	514	461	346	443	94	22
23	70	0.0	0.0	0.0	123	355	121	418	358	344	358	122	23
24	122	0.0	0.0	0.0	136	174	91	396	314	345	461	126	24
25	0.0	0.0	0.0	0.0	90	198	98	473	334	312	413	93	25
26	0.0	0.0	0.0	0.0	86	179	227	378	388	262	407	94	26
27	125	0.0	0.0	0.0	75	119	103	398	363	468	400	51	27
28	0.0	0.0	138	109	81	119	212	423	351	297	404	66	28
29	0.0	0.0	46	0.0	0.0	145	212	449	441	308	358	0.0	29
30	0.0	51	88	0.0	0.0	113	222	449	335	309	358	0.0	30
31	0.0	0.0	0.0	0.0	0.0	81	0.0	402	308	348	461	0.0	31
MEAN	24.1	11.4	28.2	25.6	220	146	102	411	373	319	380	242	MEAN
MAX.	125	107	138	149	655	355	227	613	507	468	468	483	MAX.
MIN.	0.0	0.0	0.0	0.0	30	0.0	0.0	213	163	253	261	0.0	MIN.
AC FT.	1484	680	1736	1573	12230	9005	6093	25260	22180	19630	23340	14380	AC FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM	MINIMUM	TOTAL
190	DISCHARGE NR GAGE HT. MO. DAY TIME	DISCHARGE 0.0 GAGE HT. MO. DAY TIME	ACRE FEET 137600

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D S & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE					
38 52 45	121 47 29	NE30 12N 2E	N.A.			APR 24-OCT 38 "				
						JAN 39-DATE				

Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping.  
 S- Irrigation season only.

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02955	RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	8.0	3.7	6.1	7.2	47.6	33.5	16.0	71.2	10.2	66.9	73.1	41.3	MEAN
MAX.													MAX.
MIN.													MIN.
AC FT.	491	220	376	445	2645	2062	954	4380	6076	4112	4492	2460	AC FT.

RECORDS SUFFICIENT TO COMPLETE ONLY MONTHLY FLOWS

**WATER YEAR SUMMARY**

E - ESTIMATE  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
39.7	NR					NR					28710

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM		
			CFS	GAGE HT	DATE							
38 50 47	121 43 46	N634 12N 2E	N.A.			MAY 49-DATE						

Plant located 2.1 mi. SW of Robbins. This is drainage returned by pumping. Daily distribution of flows is not available since the plant operates on an automatic float switch.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	263	686	100	326	351	204	254	80	413	575	819	1,420	1
2	224	823	137	278	1,070	194	245	69	442	581	869	1,410	2
3	230	599	308	247	1,180	182	236	207	505	581	890	1,420	3
4	229	398	752	200	923	186	234	429	500	650	889	1,450	4
5	193	283	909	184	623	147	278	366	496	733	839	1,460	5
6	186	169	674	178	555	171	589	423	416	778	848	1,440	6
7	186	156	541	178	711	437	502	342	581	801	887	1,390	7
8	164	188	444	169	1,240	1,550	667	661	275	774	899	1,350	8
9	175	200	390	172	1,840	1,520	660	711	212	756	848	1,410	9
10	197	161	324	153	2,120	1,360	551	819	153	757	840	1,450	10
11	191	191	304	154	1,900	1,330	508	992	204	818	887	1,450	11
12	191	181	272	146	1,640	1,080	424	1,070	191	853	813	1,440	12
13	196	151	269	143	2,270	719	467	1,110	254	776	838	1,400	13
14	176	139	237	131	2,420	869	463	1,140	326	789	869	1,320	14
15	129	131	234	124	2,150	718	403	1,320	368	802	903	1,220	15
16	113	119	221	131	1,630	749	417	1,500	375	1,030	918	1,070	16
17	101	127	224	127	1,170	618	331	1,640	405	1,120	973	1,000	17
18	122	128	216	147	805	804	391	1,620	431	1,070	1,170	938	18
19	126	120	195	212	633	722	399	1,630	459	1,050	1,330	914	19
20	165	114	189	433	561	533	444	1,780	537	1,030	1,440	862	20
21	188	112	192	485	482	543	334	1,760	633	984	1,450	785	21
22	232	143	194	446	395	2,050	152	1,360	730	935	1,390	716	22
23	240	102	188	390	354	1,870	116	1,090	730	890	1,350	632	23
24	257	83	170	311	306	1,460	103	1,010	657	876	1,280	517	24
25	190	96	159	256	292	1,120	268	997	602	872	1,250	460	25
26	201	97	151	230	263	850	264	957	627	842	1,220	424	26
27	241	90	132	186	238	579	192	815	655	813	1,210	388	27
28	436	95	496	166	224	455	257	741	656	792	1,270	381	28
29	521	96	571	159		375	227	677	655	756	1,340	365	29
30	489	98	464	144		331	149	579	621	822	1,410	256	30
31	562		400	144		300		484		767	1,440		31
MEAN	229	202	304	217	1,010	775	356	920	401	828	1,076	1,024	MEAN
MAX	562	623	919	485	2,420	2,050	642	1,780	730	1,120	1,450	1,460	MAX.
MIN	131	83.0	100	124	224	167	103	690	153	575	813	256	MIN
AC FT.	1,110	1,052	1,992	1,388	5,632	4,795	21,193	5,606	27,451	50,922	66,206	60,968	AC FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

MEAN	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
DISCHARGE	247.1	GAGE HT	DISCHARGE	ACRE FEET
617.3	48.14	MO	59.0	446800
	02	DAY	37.21	
	13	TIME	05 01	
	1530		2030	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
31 11 44	122 03 34	NE34 16N 2W	25,400 E	51.93	2/21/58	JUN 24-DATE 40 0 MAY 41-DATE	JUN 24-DEC 40 0 MAY 41-DATE	1957	1957	37.09 0.00	USED
Station located at State Highway 20 Bridge, 3.0 mi. W of Colusa.											
0 - Irrigation season only.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	290	516	392	734	428	252	0.0	.	156	242	454	142	1
2	222	582	432	251	927	573	0.0	.	99	242	524	152	2
3	203	729	374	214	0.0	565	0.0	.	152	199	524	142	3
4	191	520	493	186	0.0	512	0.0	.	204	19	524	143	4
5	188	355	0.0	190	0.0	556	0.0	.	174	33	14	14	5
6	149	325	0.0	192	119	565	0.0	.	143	420	524	152	6
7	151	113	0.0	111	406	565	0.0	.	282	492	524	152	7
8	152	134	530	509	0.0	0.0	0.0	.	33	520	14	142	8
9	115	177	573	0.0	0.0	0.0	0.0	370	385	432	524	152	9
10	133	124	581	0.0	0.0	0.0	0.0	212	272	372	532	172	10
11	167	110	604	377	0.0	0.0	0.0	272	672	420	524	172	11
12	130	128	620	396	0.0	0.0	0.0	512	0.0	524	524	172	12
13	130	122	599	181	0.0	0.0	453	530	0.0	492	542	172	13
14	113	89	270	97	0.0	0.0	503	521	0.0	412	612	152	14
15	112	127	237	86	0.0	0.0	409	565	0.0	408	524	1400	15
16	76	110	148	74	0.0	0.0	0.0	597	772	149	524	1290	16
17	59	66	82	79	0.0	0.0	25	619	0.0	709	34	1452	17
18	43	127	88	120	0.0	0.0	581	634	0.0	375	289	1270	18
19	62	82	187	143	0.0	0.0	596	663	0.0	517	1220	774	19
20	79	117	136	745	0.0	0.0	589	768	770	582	1387	915	20
21	151	108	156	749	0.0	0.0	509	711	337	585	1520	44	21
22	138	185	130	529	0.0	0.0	268	750	347	772	1540	99	22
23	173	174	132	615	0.0	0.0	24	750	144	632	1470	70	23
24	169	374	103	559	0.0	0.0	24	750	464	524	1440	22	24
25	174	409	105	178	0.0	0.0	21	805	353	552	1380	505	25
26	165	409	106	432	0.0	0.0	0.0	752	313	517	1330	472	26
27	172	409	74	269	0.0	0.0	0.0	725	312	511	1277	432	27
28	302	361	335	0.0	0.0	0.0	0.0	674	352	485	1290	379	28
29	464	409	76	0.0	0.0	0.0	18	472	320	409	1290	352	29
30	476	432	322	0.0	0.0	0.0	0.0	351	282	414	1360	310	30
31	488	730	730	21	0.0	0.0	0.0	232		494	1400		31
MEAN	182	264	278	272	74.3	116	134	415	191	509	333	1153	MEAN
MAX.	488	729	730	749	927	573	596	805	464	575	154	177	MAX.
MIN.	43	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	454	317	MIN.
AC. FT.	11180	15720	17080	16750	4126	7117	7974	25520	11350	31270	57480	2660	AC FT.

**WATER YEAR SUMMARY**

MEAN DISCHARGE	MAXIMUM DISCHARGE	MINIMUM DISCHARGE	TOTAL ACRE FEET
378	NA	0.0	2 4000
	GAUGE HT 29.36	GAUGE HT 20.70	
	MO 2 DAY 14 TIME 1130	MO 1 DAY 27 TIME 0415	

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAUGE HEIGHT ONLY		PERIOD		ZERO ON GAGE
			CFS	GAUGE HT	DATE				FROM	TO	
38 47 58	121 43 27	SW14 11N 2E	N.A.	36.8	2/10/42	MAY 24-OCT 39 0 JAN 40-DATE	MAY 24-OCT 39 0 JAN 40-DATE		1924		0.00
Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates.											
0 - Irrigation season only.											



TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	AO2950	RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.0	0.0	0.1	0.0	18	3.3	0.0	12	1.4	0.0	4.8	11	MEAN
MAX.													MAX.
MIN.	0.0	0.0	7.0	0.0	1000	201	0.0	738	82	0.0	297	637	MIN.
AC FT													AC FT

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

WATER YEAR SUMMARY

E — ESTIMATED  
NR — NO RECORD  
\* — DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# — E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
4.2	NR					NR					2952

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	OF RECORD		DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT			DATE	FROM			TO
38 48 03	121 43 28	NW14 11N 2E	N.A.		JAN 40-DATE						
Plant located 0.3 mi. W of knights Landing. This is drainage returned by pumping between Knights Landing Outfall Gates and Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0	0							1
2					0	0							2
3					0	0							3
4					0	0							4
5					0	0							5
6					0	0							6
7					0	0							7
8					0	0							8
9					0	0							9
10					0	0							10
11	N	N	N	N	0	0	N	N	N	N	N	N	11
12	O	O	O	O	0	0	O	O	O	O	O	O	12
13					112	0							13
14					9,450	0							14
15	F	F	F	F	16,100	0	F	F	F	F	F	F	15
16	L	L	L	L	18,000	0	L	L	L	L	L	L	16
17	O	O	O	O	8,550	0	O	O	O	O	O	O	17
18	W	W	W	W	1,650	0							18
19					0	0	W	W	W	W	W	W	19
20					0	0							20
21					0	19							21
22					0	7,670							22
23					0	19,800							23
24					0	22,900							24
25					0	26,600							25
26					0	26,000							26
27					0	23,200							27
28					0	19,800							28
29						11,800							29
30						4,520							30
31						950							31
MEAN					1,924	5,266							MEAN
MAX.					18,000	26,600							MAX.
MIN.					0	0							MIN.
AC. FT.					106,830	323,820							AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRS FEET
595	31,300	35.28	3	25	1600						430,650

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R MO B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CFS	GAGE HT	DATE				FROM	TO	
			294,000		12-23-1955	JAN 1935-DATE					

See Sacramento River at Fremont Weir, East End, and Sacramento River at Fremont Weir, West End, for stage records and locations. Elevation of weir crest is 33.50 feet, USED datum; length of crest is 9,120 feet.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)													
DAILY MEAN DISCHARGE				WATER YEAR		STATION NO.		STATION NAME					
(IN CUBIC FEET PER SECOND)				1975		402972		HUTTE SLOUGH NEAR MERIDIAN					
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	173	530	653	492	262	1400	5200	700	961	355	398	544	1
2	188	587	660	418	622	1330	3670	571	958	334	405	553	2
3	174	512	727	359	1310	1340	2620	430	936	316	424	575	3
4	216	411	1050	301	1080	1350	2340	417	909	336	430	585	4
5	263	329	1580	262	1080	1280	2170	365	802	410	438	532	5
6	273	271	1600	257	2130	1220	1940	342	911	441	435	504	6
7	255	235	1270	387	2130	1270	1770	244	941	466	442	443	7
8	249	239	1090	698	2000	1540	1700	292	916	430	446	409	8
9	251	287	990	910	3120	7330	1610	347	854	405	439	439	9
10	269	364	916	1020	8670	14300	1540	399	776	407	402	454	10
11	292	477	830	770	11700	15400	1690	460	702	409	396	462	11
12	299	520	754	572	9550	14000	1430	550	570	416	384	448	12
13	298	536	702	468	9000	10900	1390	624	455	432	388	459	13
14	318	543	669	413	19000	8080	1340	620	465	432	400	467	14
15	328	543	662	369	30060	5610	1300	572	410	429	406	462	15
16	316	544	648	340	26100	4180	1280	562	409	424	421	453	16
17	276	548	634	307	16900	3270	1260	628	404	456	426	434	17
18	228	551	597	266	11100	2830	1170	723	473	479	394	396	18
19	211	567	514	265	7720	5390	1140	826	477	481	426	366	19
20	210	582	392	295	6000	15000	1080	1050	478	473	442	355	20
21	243	594	340	341	4410	22500	1000	1180	466	432	470	349	21
22	243	604	425	348	3450	27100	908	1230	443	416	445	341	22
23	314	623	312	347	2890	33500	842	1170	400	399	447	341	23
24	313	635	302	362	2520	34500	799	1080	374	394	434	318	24
25	248	631	302	375	2230	24600	824	1020	375	395	433	295	25
26	221	638	296	355	2000	20200	947	1020	377	398	435	259	26
27	224	659	267	321	1820	32500	1000	1010	361	391	440	242	27
28	247	666	352	284	1660	27600	1020	966	365	370	443	249	28
29	286	655	1030	255	10900	908	984	984	379	351	448	258	29
30	352	654	946	246	12500	803	979	979	369	394	471	261	30
31	434		650	245		8380		971	408		514		31
MEAN	267	517	711	407	6070	12654	1557	723	598	409	429	408	MEAN
MAX	434	666	1600	1020	30060	34500	5260	1230	961	481	514	585	MAX
MIN	168	235	267	245	262	1220	799	292	369	316	384	242	MIN.
AC FT.	16467	30813	43728	25047	386547	776115	42690	44473	35591	25148	26424	24303	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 - E AND \*

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET	
2112.5		36900	55.18	63	24	132.0	40.00	09	22	1529347	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT	DATE						
39 10 20	121 54 02	NE7 15N 1E	150,000	61.64	1/26/70	JAN 39-DATE	NOV 34-MAY 37 #	1934		0.00	USED
Station located on right bank 0.5 mi. upstream from Farman Road 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.											
# - Flood season only.											

TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

													WATER YEAR		STATION NO.	STATION NAME
													1975		AO5929	WALWORTH CANAL NEAR SUTTER
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY			
1	175	155	1	3	243	4	77		91	3	19	142	1			
2	154	2	21	33	15	22	77	59	114	3	94	143	2			
3	111	2	29	33	394		11	7	13			110	3			
4	1	44	50	25	250 *	26	101	100	12	9		15	4			
5	15	41	42	28	15	64	155	94	109	105	99	142	5			
6	113	32	34	33	149	10	112	49	99	100	103	130	6			
7	154	24	2	32	17	21	15	25	8	105	97	13	7			
8	1	52	31	33	322	121	112	1	9	3	14	17	8			
9	105	40	31	33	10	324	113	30	99	100	5	200	9			
10	13	4	31	37	499	22	13	2	77	89	5	220	10			
11	17	42	30	28	325 *	124	157	6	7	98	94	245	11			
12	112	49	29	29	711	154	140	147	4	94	130	23	12			
13	14	30	28	28	1230	149	11	119	4	9	94	239	13			
14	153	30	22	27	1020	157	104	108	4	65	4	21	14			
15	155	32	22	26	590 *	123	92	108 *	51	40	79 *	221	15			
16	152	25	24	25	423	121	92	121	13	129	94	219 *	16			
17	149	24	27 *	24 *	291	109	125	129	75	109	119	221	17			
18	150	2	25	21	214	10	15	130	71	9 *	184	232	18			
19	140	20 *	24	25	203	100	124	127	4		202	213	19			
20	152	25	24	32	193	11	15	375	25	92	10	205	20			
21	178	25	22	29	175	208	125	222	25	9	173	204	21			
22	200	22	19	24	11	31	79	89	90	103	184	230	22			
23	212	19	21	23	105	211	114	71	91	9	159	202	23			
24	21 *	19	21	30	9	250	101	100	104	7	153	109	24			
25	220	20	21	2	92	22	53	121	94	112	154	15	25			
26	217	20	19	24	8	152	79	119	79	108	12	132	26			
27	222	21	20	21	22 *	17	78	116	69	98	126	137	27			
28	275	21	95	23	7	17	92	137	99	94	148	15	28			
29	274	20	71	25		141		131	7	7	153	189	29			
30	255	18	109	12		119	80	92	67	8	149	153	30			
31	229		109			94		51		86	140		31			
MEAN	194	30.9	33.2	27.4	347	158	110	108	82.0	91.5	121	182	MEAN			
MAX.	275	155	109	38	1230	631	184	375	138	129	202	245	MAX.			
MIN.	1	18	1	12	77	24	67	16	4	3	75	130	MIN.			
AC. FT.	11330	2194	2065	1682	19250	10350	7004	2229	4877	5223	744	11170	AC. FT.			

WATER YEAR SUMMARY

E - ESTIMATED NR - NO RECORD * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW # - E AND *	MEAN DISCHARGE 124	MAXIMUM DISCHARGE NA	GAUGE HT. NA	MO. NA	DAY NA	TIME NA	MINIMUM DISCHARGE NA	GAUGE HT. NA	MO. NA	DAY NA	TIME NA	TOTAL ACR. FEET 9620
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LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAUGE HEIGHT ONLY	PERIOD		ZERO ON GAUGE	REF. DATUM
			CF5	GAUGE HT	DATE			FROM	TO		
39 09 12	121 44 00	NE15 15N 2E	N.A.	53.62	1/26/70	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED
Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. This flow and flow of Butte Slough to Sutter Bypass make up entire Feather River contribution to the Sutter Bypass. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A05922	RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.0	0.0	0.0	19	0.0	45	11	0.0	3.8	24	17	27	1
2	1.6	0.0	0.0	1.8	86	43	56	0.0	18	38	17	28	2
3	2.4	0.0	0.0	0.0	86	41	37	0.0	13	23	17	30	3
4	2.4	0.0	0.0	0.0	84	36	45	0.0	13	14	26	28	4
5	1.6	0.0	34	0.0	61	34	43	0.0	14	14	24	28	5
6	0.7	0.0	18	0.0	60	36	40	0.0	7.1	15	24	29	6
7	0.7	0.0	15	0.0	58	60	37	0.0	7.9	33	24	23	7
8	1.2	0.0	17	0.0	66	79	37	0.0	42	27	24	25	8
9	1.2	0.0	16	0.0	77	55	33	0.0	26	23	24	16	9
10	0.7	0.0	15	0.0	74	49	33	0.0	16	24	29	35	10
11	1.2	0.0	14	0.0	65	49	27	0.0	22	24	23	28	11
12	0.7	0.0	14	0.0	70	15	24	9.6	27	13	25	28	12
13	0.7	0.0	2.9	0.0	73	65	29	7.9	11	25	24	28	13
14	0.0	0.0	0.0	0.0	69	47	19	6.7	33	23	13	28	14
15	0.7	0.0	0.0	0.0	48	53	25	6.8	15	23	20	27	15
16	0.7	0.0	0.0	0.0	54	27	23	7.5	24	23	31	13	16
17	0.7	0.0	0.0	0.0	62	24	11	7.3	22	24	25	9.6	17
18	2.0	0.0	0.0	0.0	46	40	16	11	22	38	30	10	18
19	2.0	0.0	0.0	0.0	47	50	14	9.6	11	21	29	11	19
20	2.4	0.0	0.0	0.0	36	54	9.3	30	5.4	23	35 *	10	20
21	2.4	0.0	0.0	0.0	62	50	0.0	33	9.5	39	40	9.8	21
22	1.6	0.0	0.0	0.0	71	64	0.0	11	15	23	37	9.9	22
23	0.0	0.0	0.0	0.0	72	63	0.0	6.3	15	24	36	6.2	23
24	0.0	0.0	0.0	0.0	76	47	0.0	7.9	44	14	34	5.1	24
25	0.0	0.0	0.0	0.0	72	57	0.0	23	33	23	34	5.1	25
26	0.7	0.0	0.0	0.0	58	49	0.0	19	18	6.4	34	5.2	26
27	0.4	0.0	0.0	0.0	57	51	0.0	27	26	8.0	34	4.3	27
28	0.0	0.0	0.0	0.0	50	36	0.0	27	24	22	35	3.6	28
29	0.7	0.0	0.0	0.0	0.0	43	0.0	27	24	20	33	2.9	29
30	0.0	0.0	0.0	0.0	0.0	52	0.0	17	24	15	30	2.8	30
31	0.0	0.0	0.0	0.0	0.0	45	0.0	8.8	0.0	9.4	28	0.0	31
MEAN	1.0	0.0	4.7	0.7	60.9	47.1	19.0	9.8	19.5	21.8	27.6	17.7	MEAN
MAX.	2.4	0.0	34	19	86	79	56	33	44	39	40	35	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	3.8	6.4	13	2.8	MIN.
AC. FT.	62	0.0	289	41	3380	2894	1129	602	1162	1340	1697	1024	AC FT.

**WATER YEAR SUMMARY**

# - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW

# - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
18.8	NR					NR					13620

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE						
39 01 57	121 44 33	NW27 14N 2E	N.A.			MAY 54-DATE				0.00	USED

Plant located 9.9 mi. SW of Yuba City, 8.5 mi. E of Grimes. This is drainage returned by gravity.

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02963	RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.5	15	11	0.0	28	0.0	20	7.1	33	51	45	42	1
2	7.8	13	10	36	47	0.0	22	10	48	64	44	40	2
3	10	14	11	16	0.0	0.0	12	26	35	35	67	38	3
4	7.8	11	0.0	14	49	0.0	0.0	32	31	48	51	37	4
5	7.8	9.5	0.0	13	33	0.0	0.0	47	32	47	39	37	5
6	9.5	11	0.0	14	23	0.0	0.0	46	21	47	41	37	6
7	9.0	11	0.0	11	24	0.0	0.0	39	46	52	41	35	7
8	9.0	13	0.0	13	28	21	0.0	57	44	41	31	42	8
9	8.4	11	0.0	12	47	64	0.0	46	43	44	38	52	9
10	9.0	6.3	0.0	11	46	45	0.0	42	37	45	49	44	10
11	9.0	11	0.0	11	46	46	0.0	48	30	34	48	41	11
12	9.5	11	0.0	15	77	46	0.0	59	51	40	53	38	12
13	10	11	0.0	25	109	46	0.0	48	43	66	47	41	13
14	9.0	11	11	16	112	46	0.0	43	56	56	42	40	14
15	9.0	0.0	12	15	64	47	0.0	45	56	32	43	37	15
16	10	11	12	14	51	47	0.0	47	40	52	45	38	16
17	11	11	15	15	46	47	0.0	45	61	52	48	37	17
18	9.5	11	13	15	46	22	0.0	46	57	44	57	35	18
19	8.4	11	12	15	47	17	0.0	43	47	44	58	33	19
20	9.0	11	12	15	48	17	0.0	68	50	47	51	32	20
21	8.4	10	11	14	24	45	17	59	61	58	49	29	21
22	8.4	11	12	14	0.0	45	20	51	55	46	47	28	22
23	10	11	11	14	0.0	44	27	8.4	66	40	46	37	23
24	9.0	11	11	14	0.0	44	32	63	63	39	45	31	24
25	11	11	11	14	0.0	44	35	64	59	40	46	31	25
26	10	11	11	13	0.0	44	35	62	57	40	44	32	26
27	7.8	12	11	13	0.0	43	30	25	50	39	46	19	27
28	12	11	22	13	0.0	44	22	68	53	54	41	22	28
29	11	12	16	13	30	11	48	53	38	38	20	20	29
30	11	12	16	12	23	23	4.4	31	52	40	41	20	30
31	13		0.0	12	22	22		32	32	33	42		31
MEAN	9.3	10.9	8.1	14.3	35.5	30.3	9.6	43.7	47.7	45.4	45.0	34.8	MEAN
MAX.	13	15	22	36	112	64	35	68	66	66	67	52	MAX.
MIN.	4.5	0.0	0.0	0.0	0.0	0.0	0.0	7.1	21	32	31	19	MIN.
AC. FT.	573	646	498	877	1974	1862	570	2689	2826	2782	2822	2573	AC. FT.

**WATER YEAR SUMMARY**

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # — E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO.	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
31.8	NR					NR					20210

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CF5	GAGE HT	DATE			FROM	TO	
39 01 44	121 46 53	SE30 14N 2E	N.A.			JAN 25-DATE				
Plant located on north levee of Tisdale Bypass, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. This drainage returned by pumping and gravity.										

TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.)													
DAILY MEAN DISCHARGE													
(IN CUBIC FEET PER SECOND)													
WATER YEAR		STATION NO.		STATION NAME									
1975		A02926		RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	33	41	105	73	264	151	288	174	498	396	371	584	1
2	53	0.0	72	74	1110	160	236	199	453	351	359	457	2
3	37	61	96	74	491	128	248	369	452	335	456	507	3
4	0.0	25	108	49	553	129	248	222	448	309	400	502	4
5	49	25	91	74	497	161	110	311	425	336	392	523	5
6	53	25	71	74	346	165	146	339	424	97	404	523	6
7	57	29	59	37	317	172	154	267	456	319	384	736	7
8	0.0	25	64	49	382	327	143	377	537	325	425	455	8
9	73	29	0.0	89	655	321	135	344	452	425	412	458	9
10	0.0	86	40	89	372	290	127	369	404	322	458	523	10
11	24	49	32	73	442	326	128	489	396	303	412	515	11
12	0.0	45	61	106	584	208	128	388	346	253	433	458	12
13	65	29	102	98	798	317	128	388	400	400	421	358	13
14	0.0	0.0	61	90	899	334	129	388	261	462	371	309	14
15	33	0.0	97	74	688	360	124	501	576	334	437	333	15
16	0.0	29	45	74	616	311	112	474	410	326	371	252	16
17	12	106	45	74	423	241	96	490	497	425	441	192	17
18	49	49	33	74	288	303	97	563	423	345	462	249	18
19	41	57	65	74	406	238	97	517	431	358	456	382	19
20	90	65	65	74	262	271	130	836	346	363	435	325	20
21	29	65	65	74	292	402	97	745	421	384	460	187	21
22	28	65	82	74	239	480	114	436	462	454	451	163	22
23	28	40	33	49	244	526	196	457	429	440	378	143	23
24	28	40	0.0	49	236	459	245	378	495	300	513	82	24
25	0.0	57	66	49	183	475	167	670	528	412	460	118	25
26	49	57	33	57	251	332	89	543	528	363	460	90	26
27	98	56	65	49	143	364	292	462	499	443	460	82	27
28	20	40	57	49	222	343	250	523	483	384	525	65	28
29	29	56	138	49	287	136	136	462	532	351	519	74	29
30	29	56	85	49	267	270	182	462	454	371	458	69	30
31	29	56	73	49	270	270	182	462	462	367	588	31	31
MEAN	34.4	43.6	64.8	67.4	434	294	161	439	449	356	438	324	MEAN
MAX	98	106	138	106	1110	526	292	836	576	462	588	736	MAX
MIN	0.0	0.0	0.0	37	143	128	89	174	261	97	359	65	MIN
AC. FT.	2112	2592	3984	4145	24120	18090	9564	26990	26710	21920	26920	19270	AC. FT.

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# - E AND \*

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO.	DAY	TIME	DISCHARGE	GAGE HT	MO.	DAY	TIME	ACRE FEET	
282		NR					NR					186400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF OATUM
			CF5	GAGE HT	DATE			FROM	TO		
38 47 05	121 39 18	NE20 11N 3E	N.A.			APR 30-OCT 38 JAN 38-DATE					
Plant located on west levee of Sutter Bypass, 3.7 mi. SE of Knights Landing. This is drainage returned by pumping and gravity.											
G - Irrigation season only.											



**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02925	SACRAMENTO SLOUGH AT SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15	23	733	1079	744	3250	F	103	1490	107	243	1490	1
2	525	563	733	829	1320	2610	F	957	1570	917	909	1350	2
3	442	492	576	517	0.0	2190	F	854	171	865	994	14	3
4	408	530	582	550	2370	1910	6440	845	1810	868	995	1650	4
5	523	506	0.0	508	4100	1840	5700	721	1690	955	1020	1660	5
6	588	474	3100	541	4410	1800	4360	746	1420	990	947	1640	6
7	550	401	2200	437	3850	1790	3400	824	1330	995	944	1970	7
8	520	402	2000	482	2900	1290	3230	706	1540	1030	967	1550	8
9	550	427	1510	492	1030	1080	2910	700	1520	1020	977	1510	9
10	488	390	1180	851	F	F	2440	09	1420	962	1010	1410	10
11	593	310	1130	1120	F	F	2470	887	1200	945	983	1670	11
12	593	439	352	1100	F	F	2320	902	1230	992	994	1600	12
13	550	574	870	913	F	F	2120	874	1200	1000	962	1530	13
14	550	467	878	715	F	F	2000	994	1050	859	935	1390	14
15	554	402	799	643	F	F	1820	1110	1120	970	954	1350	15
16	449	519	737	578	F	F	1620	1060	984	998	1020	1200	16
17	520	624	700	558	F	F	1530	1070	1060	982	1110	1010	17
18	544	644	693	579	F	F	1540	1300	1240	1130	1090	1080	18
19	439	578	648	511	F	F	1510	1510	1140	1020	1230	1110	19
20	472	585	677	565	F	F	1570	1500	1090	968	1330	1300	20
21	447	507	623	792	F	F	1420	2350	1140	1010	1290	978	21
22	465	543	549	714	F	F	1320	2700	1290	1040	1300	863	22
23	519	572	439	689	F	F	1150	2620	1230	1130	1290	799	23
24	553	635	396	652	6300	F	1150	2140	1290	1050	1310	723	24
25	566	446	350	596	5870	F	1080	2090	1330	934	1140	739	25
26	439	601	464	614	4500	F	905	2050	1190	1010	1290	404	26
27	469	610	461	580	4400	F	1020	1850	1180	1060	1270	542	27
28	395	551	479	588	3770	F	1280	1890	1130	925	1290	538	28
29	598	731	559	581	F	F	1180	1900	1210	892	1370	540	29
30	614	675	840	539	F	F	1150	1780	1130	844	1320	543	30
31	509		1010	538				1620		862	1460		31
MEAN	526	550	805	663	NR	NR	NR	1361	1300	969	1110	1200	MEAN
MAX.	650	692	2200	1120	NR	NR	NR	2700	1810	1130	1460	1970	MAX.
MIN.	395	310	0.0	437	NR	NR	NR	700	984	844	843	535	MIN.
AC FT	32330	32720	49540	40740	NR	NR	NR	83700	77440	59580	69480	71440	AC FT

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN	DISCHARGE	MAXIMUM	DISCHARGE	GAGE HT.	MO.	DAY	TIME	MINIMUM	DISCHARGE	GAGE HT.	MO.	DAY	TIME	TOTAL
NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R N D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 46 52	121 38 27	SE21 11N 3E	N.A.			JUN 24-OCT 39 JAN 40-DATE	APR 45-DEC 46 APR 47-DATE				
Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above gage ht. 26.0 ±) the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow. 0 - Irrigation season only. F - Flooded											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	33	79	58	28	34	493	493	504	275	113	26	54	1
2	34	81	57	71	26	841	472	504	276	100	28	50	2
3	34	81	62	247	24	1,120	436	520	288	90	29	49	3
4	35	80	77	208	19	1,020	411	591	284	82	30	48	4
5	35	78	85	167	15	798	421	650	258	75	32	47	5
6	36	75	104	169	15	700	465	663	227	71	34	49	6
7	37	73	110	190	17	770	459	597	222	67	36	50	7
8	40	72	62	238	21	947	454	518	217	126	36	47	8
9	41	70	76	247	36	1,270	445	477	209	61	28	47	9
10	41	69	66	331	36	1,080	428	471	199	51	35	54	10
11	42	71	61	319	40	698	443	482	185	47	36	56	11
12	42	72	63	335	51	491	444	543	175	40	37	60	12
13	42	71	64	276	83	406	435	541	170	35	36	59	13
14	42	71	63	244	143	367	453	629	168	35	33	61	14
15	41	65	66	231	196	362	469	652	165	34	31	60	15
16	42	50	67	226	214	391	471	681	165	33	30	60	16
17	43	50	64	226	258	427	440	687	168	35	30	59	17
18	44	51	67	230	274	453	410	667	168	35	33	57	18
19	44	52	53	239	269	573	386	641	169	35	43	58	19
20	44	52	51	245	229	659	402	625	162	35	46	58	20
21	44	61	51	246	270	667	416	670	160	35	47	57	21
22	44	68	48	245	293	323	428	713	154	33	50	57	22
23	44	75	48	248	252	411	447	666	153	32	59	55	23
24	45	84	44	246	205	568	495	635	159	32	68	54	24
25	46	89	33	245	187	1,330	628	587	160	30	85	54	25
26	44	81	30	244	208	2,580	814	564	165	28	99	54	26
27	53	75	34	214	242	2,480	859	521	164	27	109	54	27
28	62	72	31	212	314	852	701	473	152	24	108	54	28
29	65	67	35	195		717	587	379	138	22	98	53	29
30	69	61	34	189		598	532	334	126	22	76	50	30
31	75		28	155		503		303		24	62		31
MEAN	44.8	69.9	58.2	224	140	802	491	562	189	49.7	49.4	54.2	MEAN
MAX.	75.0	89.0	110	379	314	2,580	859	713	288	126	109	61.0	MAX.
MIN.	33.0	50.0	26.0	28.0	15.0	323	386	303	126	22.0	26.0	47.0	MIN.
AC. FT.	2753	4157	3580	13817	7813	49139	29244	34562	11268	2993	3035	3223	AC. FT.

E - ESTIMATED  
NR - NO RECORD  
+ - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- - E AND +

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
220.0		3120	7.42	03	27	0145	14.0	2.10	02	05	0400	165784	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1.4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT.	DATE			FROM	TO		
39 49 07	120 26 37	NE 29 23N 14E	9,300	10.34	3-18-1967	NOV 1955-DATE	NOV 1955-DATE	1955	1965	0.00	LOCAL
								1965		1.00	LOCAL

Station located south of State Highway 70, 1.8 miles northeast of Portola. Stage-discharge relationship at times affected by ice.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A54455	RED CLOVER CREEK ABOVE 408FY BRIDGE D44HSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.1	3.4	3.1	5.5	7.1	34	116	594	121	6.4	2.6*	2.0	1
2	2.1	3.0	3.2	6.1	14	57	113	704	115	6.0*	2.6	1.9*	2
3	2.3	2.8	4.9	6.5	4.3	44	112	76*	97	5.9	2.5	1.9	3
4	3.5	2.8	12	6.9	69	43	104	556	79	5.8	2.4	1.9	4
5	2.6	2.7	4.5	8.3	68	41	94	410	68	5.5	2.3	1.9	5
6	2.2	2.7	4.0	9.6	71	46	85	432	61	5.1	2.1	1.9	6
7	2.1	2.9	3.6	9.0	66	53	83	549	55	5.0	2.1	1.8	7
8	2.6	3.2	2.9	9.4	68	59	76	664	46	4.8	2.1	1.7	8
9	3.2	3.0	2.9	9.1	88	72	74	707	39	4.4	1.9	1.9	9
10	2.5	2.8	3.0	7.2	77	57	81	722	33	4.0	2.0	3.2	10
11	2.3	2.8	3.2	5.5	88	45	87	700	29	3.7	2.0	3.6	11
12	2.2	2.8	3.5	4.9	81	43	104	634	26	3.5	2.0	3.5	12
13	2.2	2.8	3.3	4.6	106	33	156	611	23	3.4	1.9	3.0	13
14	2.2	2.9	3.3	4.8	107	29	220	625	14	3.4	1.9	2.7	14
15	2.2	2.8	3.3	5.0	77	22	190	562	6.6	3.4	1.9	2.7	15
16	2.3	2.7	3.0	5.4	69	21	167	461	12	3.8	1.8	2.5	16
17	2.2	2.7	2.6	5.1	54	19	159	430	13	4.0	1.9	2.2	17
18	2.2	3.1	2.2	5.2	68	20	196	414	14	3.9	2.5	2.3	18
19	2.3	2.8	2.3	5.0	64	42	258	409	20	3.8	4.2	5.1	19
20	2.3	2.8	2.6	5.0	48	52	298	366	17	3.6	3.9	4.2	20
21	2.2	6.0	2.3	4.9	36	40	417	28	13	3.3	3.8	3.1	21
22	2.2	5.5	2.3	4.8	37	69	442	240	12	3.1	3.6	3.2	22
23	2.4	3.5	1.5	4.8	34	58	437	230	10	3.0	3.1	3.2	23
24	2.3	3.5	1.7	4.9	41	59	636	227	11	2.9	2.6	3.2	24
25	2.4	3.8	1.7	4.8	12	120	559	217	13	2.7	2.5	3.2	25
26	2.5	3.5	2.3	4.6	4.5	118	377	191	11	2.5	2.3	3.2	26
27	2.6	3.4*	2.1	3.4	10	109	362	176	9.1	2.3	2.3	3.2	27
28	4.4	3.3	3.1	3.9	15	100	421	162	8.3	2.4	2.2	3.2	28
29	3.4	2.9	4.1	4.0	95	466	149	7.3	7.3	2.5	2.3	3.6	29
30	2.9	3.0	4.8	3.8	92	530	134	6.8	6.8	2.6	2.1	3.7	30
31	3.6		4.5	4.5	113		126			2.6	2.1		31
MEAN	2.5	3.2	3.3	5.7	5.8	58.2	247	434	33.0	3.8	2.4	2.8	MEAN
MAX.	4.4	6.0	12.0	9.6	107	120	636	780	121	6.4	4.2	5.1	MAX.
MIN.	2.1	2.7	1.5	3.4	7.1	14.0	74.0	126	6.8	2.3	1.8	1.7	MIN.
AC FT.	156	191	206	350	2490	3580	14717	26729	1964	237	150	168	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATE  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 - E AND \*

MEAN	DISCHARGE	MAXIMUM	DISCHARGE	MINIMUM	DISCHARGE	TOTAL
71.1	476	7.62	05 02 2015	0.0	2.08 12 23 2145	51439

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1:4 SEC T & R M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CF5	GAGE HT	DATE						
39 58 05	120 31 09	SE 4 24N 13E	3,460 E	11.36	12-22-1964	DEC 1962-DATE	DEC 1962-DATE	1962	0.00	LOCAL	

Station located above bridge on Forest Service road, 13 miles east of Genesee, 11 miles north of Portola. Stage-discharge relationship at times affected by ice. Drainage area is 67.9 square miles. Station discontinued October 1, 1975.

TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A54750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

WATER YEAR SUMMARY

E — ESTIMATED  
NR — NO RECORD  
\* — DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# — E AND \*

MEAN DISCHARGE

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME

MINIMUM				
DISCHARGE	GAGE HT.	MO	DAY	TIME

TOTAL ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 05 28	120 21 46	SE 23 26N 14E	1,570 E	7.42	12-22-1964	OCT 1964-DATE	JULY 1963-DATE	1963	1968	0.00	LOCAL LOCAL
Station located on Forest Service road, 5.7 miles south of Milford. Tributary to Indian Creek via Red Clover Creek. Stage-discharge relationship at times affected by ice. Maximum discharge listed is at site and datum then in use. Prior to October 2, 1968, station located 0.8 mile downstream. Station discontinued October 1, 1975.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	454370	INDIAN CREEK NEAR TAYLORSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	47	71	66	62	164	315	538	1,600	1,350	210	64	69	1
2	47	70	66	64	169	374	513	1,890	1,230	185	69	65	2
3	47	70	73	155	176	409	515	2,200	1,170	185	72	65	3
4	49	68	134	208	188	408	491	2,100	1,110	177	71	63	4
5	50	67	112	190	206	396	460	1,670	1,070	166	71	63	5
6	50	65	88	180	194	398	418	1,44	1,030	154	70	63	6
7	50	65	82	182	87	481	382	1,700	1,000	143	68	63	7
8	50	63	76	205	90	641	390	2,020	1,090	133	68	62	8
9	51	63	72	232	179	627	349	2,340	996	123	68	61	9
10	51	63	73	194	199	530	370	2,600	828	117	68	66	10
11	51	63	73	197	167	453	370	2,790	751	114	67	71	11
12	51	63	75	188	206	382	397	2,780	732	109	67	69	12
13	51	64	87	180	613	370	545	2,790	682	105	68	72	13
14	51	65	82	179	431	323	831	2,800	649	99	66	74	14
15	52	65	88	176	291	305	772	2,870	617	98	65	68	15
16	52	65	79	175	244	300	702	2,670	572	101	65	66	16
17	52	65	78	174	204	284	634	2,400	527	97	65	64	17
18	52	64	72	170	188	273	669	2,300	477	96	72	64	18
19	52	64	69	170	194	423	901	1,920	475	93	88	64	19
20	53	66	69	168	227	540	913	1,630	448	88	86	63	20
21	54	92	70	168	196	494	1,320	1,490	407	84	82	62	21
22	54	102	69	168	182	360	1,580	1,51	370	81	82	62	22
23	54	83	63	157	143	397	1,460	1,490	341	79	78	62	23
24	55	75	59	162	179	420	1,690	1,360	331	77	75	62	24
25	57	76	72	170	178	900	1,560	1,350	323	74	74	62	25
26	56	74	71	170	179	771	1,410	1,330	299	72	72	62	26
27	55	72	75	171	198	692	1,250	1,320	273	70	71	62	27
28	70	69	71	179	291	566	1,480	1,310	255	67	69	63	28
29	69	67	59	174	174	504	1,600	1,320	237	64	69	66	29
30	68	66	72	159	174	484	1,600	1,310	223	63	69	68	30
31	69	68	68	175		554		1,340		66	70		31
MEAN	53.9	69.5	75.8	171	211	463	870	1,921	662	109	71.3	65.0	MAX
MAX	70.0	102	134	232	613	900	1,690	2,870	1,350	210	88.0	74.0	MAX
MIN	47.0	63.0	69.0	62.0	87.0	273	349	1,310	223	63.0	64.0	61.0	MIN
AC FT	3312	4136	4659	10516	11758	28518	51769	110155	39398	6740	4381	3868	AC FT

WATER YEAR SUMMARY

E - ESTIMATED	MEAN DISCHARGE 396.7	MAXIMUM DISCHARGE 2870	DATE 10.01	MO 05	DAY 15	TIME 0000	MINIMUM DISCHARGE 44.0	DATE 6.17	MO 12	DAY 29	TIME 0945	TOTAL ACRE-FT 287120
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NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM		
			CFS	GAGE HT	DATE							
40 02 54	120 48 55	NW 12 25N 10 E	30,200 E	10.65	2-1-1963	APR 45-AUG 54 * AUG 54-DATE	APR 45-AUG 54 * AUG 54-DATE	1954 1963	0.00 0.00	LOCAL	LOCAL	

Station located 0.5 mile above Montgomery Creek, 2.3 miles southeast of Taylorsville. Maximum discharge listed at site and datum 1.2 miles downstream. Drainage area is 526 square miles.

\* - Maintained by watermaster service for irrigation season only.

**TABLE B-5 (CONT.)**  
**DAILY MIN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A52250	FEATHER RIVER, WEST BRANCH, NEAR PARADISE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.8	11	1.6	6.2	216	406	514	524	1,140	119	3.5	2.1	1
2	1.8	2.7	1.6	5.3	458	669	622	622	1,040	103	2.7	2.2	2
3	1.8	1.8	176	4.3	173	564	460	810	958	91	2.5	1.7	3
4	1.8	1.7	650	4.4	234	460	452	812	849	82	2.2	1.5	4
5	1.8	1.6	113	4.5	115	417	445	624	896	73	2.0	1.4	5
6	1.8	1.5	43	84	112	487	394	552	965	60	1.9	1.4	6
7	1.7	4.7	23	152	265	1,020	361	588	847	49	1.7	1.3	7
8	1.7	15	16	547	856	2,030	371	698	762	41	1.7	1.1	8
9	1.7	2.7	9.5	189	1,950	1,440	342	760	718	32	1.7	1.1	9
10	1.9	1.9	7.5	83	977	947	339	827	671	25	2.0	1.2	10
11	1.9	1.9	6.0	50	546	706	328	936	564	23	6.7	1.3	11
12	1.8	1.8	7.7	38	884	565	344	1,040	518	24	5.2	1.4	12
13	1.7	1.7	37	32	3,130	492	370	1,140	471	21	1.9	1.3	13
14	6.0	1.6	12	28	1,300	431	439	1,240	522	17	1.5	1.3	14
15	58	1.6	12	26	726	401	370	1,250	549	18	1.4	1.2	15
16	31	1.6	10	25	510	434	325	1,120	516	58	1.4	1.2	16
17	27	1.6	8.9	25	375	384	289	1,170	471	28	1.4	1.1	17
18	28	5.4	6.7	24	300	818	276	1,270	388	23	17	1.1	18
19	3.8	5.1	4.9	30	397	2,150	279	1,280	319	21	30	1.2	19
20	1.5	2.6	3.9	30	586	1,330	289	1,110	276	17	15	1.2	20
21	1.3	75	4.0	28	372	944	336	847	235	13	6.0	1.2	21
22	1.2	71	8.7	27	291	799	371	863	234	12	15	1.2	22
23	1.2	12	3.8	25	249	636	373	908	235	11	6.6	1.1	23
24	1.2	4.4	2.1	23	273	774	1,260	1,010	261	10	3.1	1.2	24
25	1.2	7.4	2.6	26	284	2,710	1,250	981	249	9.1	2.2	1.2	25
26	1.3	7.8	2.1	33	284	1,400	797	931	206	7.6	1.8	1.2	26
27	1.6	3.6	78	19	290	960	639	999	183	6.4	7.1	1.2	27
28	28	2.1	85	11	323	743	592	1,030	169	6.5	3.7	1.3	28
29	8.0	1.9	21	16	629	568	568	1,110	138	15	2.0	1.3	29
30	2.4	1.8	13	8.2	593	570	570	1,120	132	9.9	1.7	1.3	30
31	8.4		8.7	14	589			1,160		5.4	1.5		31
MEAN	7.56	8.55	44.5	52.2	588	868	474	946	516	33.3	4.97	1.32	MEAN
MAX.	58	75	650	547	3,130	2,710	1,260	1,280	1,140	119	30	2.2	MAX.
MIN.	1.2	1.5	1.6	4.3	112	384	276	524	132	5.4	1.4	1.1	MIN.
AC.FT.	465	509	2,740	3,210	32,680	53,370	28,180	58,180	30,710	2,040	306	78	AC.FT.

**WATER YEAR SUMMARY**

MEAN	MAXIMUM						MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME		DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
293	4,470	11.17	2	13	0630							212,500

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # — E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R N.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 47 12	121 33 42	SE 6 22N 4E	26,300	26.2	12-22-1964	OCT 1957-DATE	OCT 1957-DATE	1957	0.00	LOCAL	
Station located 0.6 mile upstream from Griffin Gulch and 4.0 miles northeast of Paradise. Drainage area is 110 square miles.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A55100	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	198	341	327	274	693	1,780	2,320	2,810	5,260	1,090	358	298	1
2	198	309	321	269	795	2,390	2,200	3,030	4,910	1,030	356	283	2
3	200	292	525	268	588	2,680	2,130	3,840	4,720	984	354	275	3
4	206	285	1,180	427	654	2,600	2,070	4,180	4,590	948	343	275	4
5	202	284	652	506	553	2,390	1,970	3,430	4,600	909	333	271	5
6	201	281	505	657	539	2,330	1,860	3,140	4,620	881	322	263	6
7	203	313	463	933	655	2,830	1,800	3,140	4,310	856	317	263	7
8	212	352	452	1,690	1,100	4,490	1,730	3,360	3,770	822	319	259	8
9	232	308	422	985	2,830	4,170	1,690	3,760	3,450	827	321	255	9
10	239	290	389	790	2,120	3,520	1,740	4,160	3,230	771	313	255	10
11	231	283	377	788	1,460	2,820	1,730	4,710	3,060	728	296	317	11
12	223	279	384	788	1,620	2,250	1,750	5,050	2,960	700	295	302	12
12	216	279	455	735	4,790	1,980	1,860	5,240	2,880	662	288	292	12
14	216	277	412	677	3,310	1,780	2,130	5,730	2,820	630	287	285	14
15	216	275	394	643	2,010	1,700	2,080	5,860	2,740	626	284	287	15
16	216	271	381	627	1,590	1,680	1,940	5,340	2,620	672	279	284	16
17	212	262	377	614	1,340	1,630	1,830	5,460	2,440	633	270	279	17
18	212	295	366	615	1,230	1,910	1,770	5,700	2,150	606	358	279	18
19	212	296	353	627	1,430	3,690	1,790	5,970	1,910	578	433	279	19
20	214	272	343	633	1,850	3,800	1,800	5,560	1,760	552	417	276	20
21	216	465	347	640	1,490	3,090	2,030	4,560	1,700	531	360	273	21
22	215	656	351	640	1,320	2,620	2,270	4,250	1,630	509	379	267	22
22	215	435	319	636	1,260	2,120	2,260	4,440	1,550	484	351	267	22
24	216	384	270	643	1,190	2,410	3,380	4,820	1,590	465	321	263	24
25	218	443	290	653	1,130	6,850	4,670	4,990	1,500	448	317	266	25
26	220	434	312	684	1,140	5,920	3,480	4,670	1,360	429	320	261	26
27	229	387	395	667	1,200	5,440	3,160	4,770	1,270	407	328	258	27
28	425	364	376	576	1,490	4,060	3,000	4,900	1,230	394	335	260	28
29	380	349	320	608	2,820	2,830	4,990	4,990	1,190	380	340	265	29
30	290	338	299	542	2,590	2,800	4,960	1,140		371	333	263	30
31	330		316	577	2,570		5,150			367	315		31
MEAN	233	337	409	658	1,478	2,997	2,269	4,580	2,765	655	330	274	MEAN
MAX.	425	656	1,180	1,690	4,790	6,850	4,670	5,970	5,260	1,090	433	317	MAX.
MIN.	198	262	270	268	539	1,630	1,690	2,810	1,140	367	270	255	MIN.
AC. FT.	14,310	20,030	25,140	40,490	82,070	184,300	135,000	281,600	164,600	40,250	20,320	16,300	AC. FT.

**WATER YEAR SUMMARY**

MEAN DISCHARGE	DISCHARGE	MAXIMUM	DISCHARGE	MINIMUM	TOTAL
1,415	8,500	GAGE HT. 11.55	MO. 3	DAY 25	1,024,000
		TIME 1000			

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # — E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1.4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 42 30	121 16 10	NE 2 21N 6E	86,200	26.50	12-22-1964	OCT 1951-DATE		1951	0.00	LOCAL	
Station located 400 feet downstream from bridge on Milesp Bar Road, 500 feet downstream from Little North Fork, 4.5 miles southeast of Merrimac, and 20 miles northeast of Drovville. Altitude 1,560 feet. Drainage area is 1,062 square miles.											



TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A56080	FEATHER RIVER, SOUTH FORK, AT PONDEROSA DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	60	61	0.0		0.0	120	568	484	345	0.0	214	250	1
2	45	0.0	0.0		130	1.8	544	472	340	0.0	250	255	2
3	97	0.0			14	221	538	484	340	0.0	255	260	3
4	52	0.0	34		61	400	538	502	335	0.0	265	265	4
5	68	0.0	0.0		0.2	310	606	484	330	0.0	218	265	5
6	47	0.0	0.0		0.0	410	532	309	325	0.0	265	260	6
7	84	0.0	0.0		0.0	410	526	405	325	0.0	241	255	7
8	70	0.0	0.0		0.0	658	514	438	320	0.0	290	255	8
9	67	0.0	0.0		397	388	508	438	315	0.0	290	260	9
10	79	0.0	0.0	N	361	356	496	432	315	0.0	265	144	10
11	60	0.0	0.0	O	33	490	508	449	310	0.0	241	265	11
12	66	0.0	0.0		290	472	508	449	310	0.0	111	285	12
12	64	0.0	0.0		1,730	466	508	444	315	0.0	250	290	12
14	70	0.0	0.0		562	454	502	449	315	0.0	255	290	14
15	65	0.0	0.0	F	160	460	490	454	315	0.0	245	290	15
16	64	0.0	0.0	L	60	472	472	466	315	0.0	245	295	16
17	54	0.0	0.0		20	454	460	466	315	0.0	245	300	17
18	0.0	0.0	0.0	O	64	496	472	460	315	0.0	255	300	18
19	8	0.0	0.0		320	606	460	454	300	0.0	260	300	19
20	17	0.0	0.0	W	305	580	455	454	183	0.0	123	300	20
21	0.0	0.0	0.0		449	562	449	444	0.0	0.0	236	300	21
22	68	0.0	0.0		427	586	449	422	0.0	508	260	300	22
22	60	0.0	0.0		444	532	449	400	0.0	295	260	300	23
24	84	0.0	0.0		427	621	526	400	0.0	250	260	295	24
25	90	0.0	0.0		416	1,660	606	394	0.0	246	265	295	25
26	75	0.0	0.0		410	1,010	532	400	0.0	250	265	295	26
27	68	0.0	0.0		229	745	490	400	0.0	223	255	295	27
28	108	0.0	0.0		400	671	490	472	0.0	250	260	295	28
29	96	0.0	0.0			638	484	388	0.0	250	260	280	29
30	67	0.0	0.0			619	490	372	0.0	250	260	265	30
31	106		0.0			580		350		250	255		31
MEAN	63.2	2.03	1.45	0.0	275	531	506	433	209	89.4	246	277	MEAN
MAX.	108	61	34	0.0	1,730	1,660	606	502	345	508	290	300	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	1.8	449	309	0.0	0.0	111	144	MIN.
AC.FT.	3,890	121	89	0.0	15,290	32,630	30,090	26,650	12,460	5,500	15,110	16,470	AC.FT.

WATER YEAR SUMMARY

E — ESTIMATED  
NR — NO RECORD  
\* — DISCHARGE MEASUREMENT OR  
OBSERVATION OF ND FLDW  
# — E AND \*

MEAN DISCHARGE	DISCHARGE	MAXIMUM	DISCHARGE	MINIMUM	TOTAL
219		GAGE HT. MO. DAY TIME		GAGE HT. MO. DAY TIME	ACRE FEET
					158,300

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECDRD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1.4 SEC T & R M D S & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 32 52	121 18 11	SE 33 20N 6E	11,000	12.70	12-22-1964	JULY 1962-DATE	JULY 1962-DATE	1962	1967	0.00	LOCAL USCGS
Station located at entrance to Miners Ranch Canal on the left end of Ponderosa Dam, 2,800 feet upstream from Sucker Run, and 2.6 miles northwest of Forbestown. Prior to October 1, 1967, station was located at a site 1,800 feet downstream. Drainage area is 108 square miles.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A56911	PALERMO CANAL AT DROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	5.5	6.2	5.8		0.0	2.4	11	23	25	25	23	1
2	14	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	2
3	12	5.4	6.2	5.8		0.0	2.4	12	23	25	25	23	3
4	12	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	4
5	12	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	5
6	12	5.4	6.2	5.8		0.0	2.4	11	24	26	25	23	6
7	13	5.4	6.1	5.8		0.0	2.4	9.1	24	26	25	23	7
8	16	5.3	6.0	5.8		0.0	2.4	9.8	24	26	25	23	8
9	15	5.4	6.0	5.8		0.0	2.4	12	24	26	25	23	9
10	14	5.4	6.0	5.8	N	0.0	2.4	13	24	24	25	23	10
11	14	5.7	6.0	5.8	O	0.0	2.4	13	24	23	25	23	11
12	14	6.3	6.0	5.8		0.0	2.4	16	24	23	25	23	12
13	14	6.2	6.0	5.8		0.0	2.4	18	24	23	25	23	13
14	14	6.2	5.9	5.8		0.0	2.4	19	23	25	25	23	14
15	17	6.2	6.0	5.8		1.4	2.4	20	23	25	25	23	15
16	14	6.2	6.0	5.8	L	2.2	2.5	18	24	25	25	23	16
17	14	6.2	5.9	5.8		2.2	2.5	18	24	24	24	23	17
18	14	6.2	5.8	5.8	D	2.3	2.9	18	24	23	22	23	18
19	14	6.2	5.8	5.8		2.3	3.2	18	23	23	21	23	19
20	14	6.2	5.8	5.8	W	2.3	3.2	18	23	23	21	23	20
21	13	6.2	5.8	5.8		2.3	4.6	18	23	23	21	23	21
22	12	6.2	5.8	5.8		2.3	5.3	19	23	23	21	23	22
23	12	6.2	5.8	0.0		2.3	5.4	21	23	23	21	23	23
24	11	6.2	5.8	0.0		2.3	5.4	21	23	24	21	23	24
25	11	6.2	5.8	0.0		2.3	5.4	21	23	25	23	23	25
26	11	6.2	5.8	0.0		2.3	5.4	21	23	25	24	23	26
27	11	6.2	5.8	0.0		2.3	5.4	21	23	25	24	23	27
28	9.3	6.2	5.8	0.0		2.3	5.5	22	23	25	24	23	28
29	6.8	6.2	5.8	0.0		2.3	7.4	23	23	25	24	21	29
30	5.7	6.2	5.6	0.0		2.3	8.5	23	24	25	24	20	30
31	5.7		5.8	0.0		2.3		23		25	24		31
MEAN	12.5	5.9	5.9	3.9		1.2	3.6	16.9	23.4	24.5	23.8	22.8	MEAN
MAX.	17	6.3	6.2	5.8		2.3	8.5	23	24	26	25	23	MAX.
MIN.	5.7	5.3	5.6	0.0		0.0	2.4	9.1	23	23	21	20	MIN.
AC. FT.	769	352	365	245		75	215	1,040	1,390	1,510	1,470	1,360	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
12.1	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	8,790

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE
			CFS	GAGE HT	DATE				FROM	TO	
39 31 59	121 28 54	SW 1 19N 4E	29 E	1.32	1-20-1964	APR 1963-DAT#	APR 1963-DAT#		1963		0.00
Station is located at the outlet of the relocation tunnel of Palermo Canal, 50 feet southeast of toe of the dam.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	410	800	860	855	513	406	406	419	417	425	405	426	1
2	410	785	855	861	471	406	409	420	418	423	404	425	2
3	410	830	852	849	402	406	414	421	412	425	405	426	3
4	412	838	858	819	411	406	414	427	410	426	403	427	4
5	407	848	852	791	414	408	413	423	413	426	401	418	5
6	410	838	834	850	409	409	410	423	410	428	399	416	6
7	411	840	832	861	408	413	410	421	413	427	402	415	7
8	409	839	826	869	412	416	416	423	409	427	401	418	8
9	412	832	831	870	413	413	415	425	407	426	395	418	9
10	408	839	832	845	409	415	413	425	437	425	398	417	10
11	405	842	834	819	402	413	413	424	424	423	401	418	11
12	397	839	830	797	446	407	407	423	420	424	401	417	12
13	405	844	822	853	428	412	405	412	416	427	398	409	13
14	407	845	810	890	403	411	408	416	410	427	399	409	14
15	415	858	793	882	384	409	413	417	416	409	409	408	15
16	675	859	807	885	382	407	413	414	416	401	409	408	16
17	795	853	823	886	397	410	414	415	416	396	401	408	17
18	796	863	826	869	406	415	411	411	415	406	413	411	18
19	784	862	814	859	403	418	413	414	410	400	415	413	19
20	781	855	810	849	402	414	405	406	408	400	411	413	20
21	785	857	799	874	403	423	405	405	405	403	409	410	21
22	791	861	826	883	401	420	411	405	407	400	411	408	22
23	799	852	864	866	400	418	411	413	404	397	403	403	23
24	790	852	871	857	399	418	413	417	407	387	402	403	24
25	783	849	844	832	399	410	414	415	420	369	404	403	25
26	804	852	843	830	403	407	413	410	426	373	404	406	26
27	835	853	865	861	406	407	411	414	428	373	405	410	27
28	824	861	863	875	407	401	409	410	421	378	403	410	28
29	774	856	851	867		396	414	409	422	385	401	410	29
30	787	860	853	865		396	417	410	425	397	403	408	30
31	801		864	871		397		414		403	418		31
MEAN	604	845	837	856	412	410	411	416	415	408	404	413	MEAN
MAX.	835	863	871	890	513	423	417	427	437	428	418	427	MAX.
MIN.	397	785	793	791	382	396	405	405	404	369	395	403	MIN.
AC.FT.	37,150	50,310	51,460	52,640	22,880	25,200	24,480	25,590	24,720	25,060	24,860	24,580	AC.FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO	DAY	TIME	TOTAL ACRE FEET
537	1,117	1.13	1	13	1400						388,900

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CFS	GAGE HT	DATE				FROM	TO	
39 31 18	121 32 48	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE		1912 1934	139.53	USCGS
									1934 1962	182.02	USCGS
									1962 1964	0.00	USCGS
									1964	148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow is regulated by reservoirs and power plants. Flows diverted through Fish Hatchery are included. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum). Drainage area is 3,626 square miles.

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,140	2,640	9,160	2,620	2,150	1,280	1,090	7,130	3,180	2,150	5,140	4,200	1
2	7,120	2,600	9,140	2,640	1,920	1,270	874	8,080	3,190	2,150	4,960	4,210	2
3	7,150	2,610	9,170	2,630	1,720	1,270	695	9,420	3,180	2,160	5,200	4,180	3
4	7,150	2,630	9,200	2,590	1,480	1,260	580	9,510	3,740	2,130	5,150	4,180	4
5	7,040	2,640	9,160	2,620	1,280	1,270	582	9,510	5,610	2,160	5,100	4,170	5
6	7,080	2,640	9,190	2,640	1,290	1,280	581	9,490	7,160	2,150	5,100	4,150	6
7	7,100	2,640	9,130	2,650	1,280	1,280	580	9,480	8,080	2,150	5,040	4,120	7
8	7,140	2,630	9,160	2,660	1,270	1,280	582	9,470	8,130	2,160	5,040	4,190	8
9	7,160	2,600	9,170	2,660	1,280	1,280	574	9,590	8,120	2,160	5,030	4,210	9
10	7,160	2,580	9,160	2,660	1,270	1,280	577	9,610	8,140	2,170	4,180	4,220	10
11	7,150	2,630	4,750	2,600	1,270	1,270	569	9,530	7,250	3,250	4,170	4,210	11
12	7,040	2,640	4,190	2,590	1,270	1,270	573	9,760	6,260	4,270	4,190	4,200	12
13	7,030	3,360	3,840	2,610	1,280	1,280	570	9,820	5,350	5,100	4,200	4,200	13
14	7,120	6,330	2,660	2,680	1,280	1,270	588	9,810	4,300	5,160	4,160	4,150	14
15	7,120	6,650	2,600	2,660	1,280	1,280	577	9,750	3,730	5,140	4,220	4,150	15
16	6,900	6,610	2,630	2,490	1,280	1,280	568	9,720	3,740	5,170	4,200	4,140	16
17	6,650	6,590	2,660	2,270	1,280	1,280	566	8,830	2,570	5,100	4,180	4,130	17
18	6,620	6,670	2,660	2,180	1,280	1,280	574	7,770	2,250	5,080	4,220	4,110	18
19	6,540	6,640	2,620	2,130	1,280	1,270	568	7,760	2,230	5,070	4,250	4,140	19
20	6,510	6,630	2,610	2,180	1,290	1,270	574	6,850	2,240	5,070	4,230	3,320	20
21	6,620	8,290	2,610	2,190	1,290	1,280	1,050	5,610	2,180	5,080	4,220	2,450	21
22	6,640	9,210	2,600	2,210	1,280	1,280	1,580	5,230	2,150	5,090	4,200	2,450	22
23	6,140	9,160	2,630	2,170	1,270	1,280	2,060	4,320	2,160	5,080	4,180	2,450	23
24	4,230	9,160	2,660	2,140	1,270	1,290	2,750	3,450	2,150	5,090	4,170	2,460	24
25	2,670	9,200	2,610	2,150	1,270	1,280	3,680	3,170	2,160	5,120	4,180	2,470	25
26	2,590	9,150	2,640	2,150	1,270	1,280	4,650	3,180	2,160	5,080	4,160	2,470	26
27	2,570	9,170	2,640	2,180	1,260	1,280	5,530	3,210	2,160	5,050	4,230	2,450	27
28	2,610	9,170	2,640	2,220	1,260	1,280	6,700	3,200	2,150	5,060	4,170	2,460	28
29	2,630	9,220	2,610	2,210	1,270	1,270	6,990	3,200	2,140	5,140	4,190	2,470	29
30	2,630	9,170	2,640	2,190	1,260	1,260	7,110	3,200	2,160	5,100	4,190	2,470	30
31	2,630		2,650	2,220	1,270	1,270		3,190		5,100	4,190		31
MEAN	5,867	5,729	4,799	2,413	1,354	1,276	1,818	7,158	4,001	4,063	4,453	3,573	MEAN
MAX.	7,160	9,220	9,200	2,680	2,150	1,290	7,110	9,820	8,140	5,170	5,200	4,220	MAX.
MIN.	2,570	2,580	2,600	2,130	1,260	1,260	566	3,170	2,140	2,130	4,160	2,450	MIN.
AC. FT.	360,800	340,900	295,100	148,300	75,170	78,450	108,200	440,100	238,100	249,800	273,800	212,600	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED NR - NO RECORD * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW # - E AND *	MEAN DISCHARGE	DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRS FEET
			GAUGE HT.	MO.	DAY	TIME	DISCHARGE	GAUGE HT.	MO.	DAY	TIME
	3,897	10,010	6.52	5	12						2,821,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAUGE HEIGHT ONLY		PERIOD		REF DATUM
			CF5	GAUGE HT	DATE				FROM	TO	
39 27 23	121 38 10	SE 33 19N 3E	21,600		1-28-1970	DEC 1967-DATE	DEC 1967-DATE		1967		0.47 USCGS

Station located in river outlet channel, 5.7 miles southwest of Oroville. Station measures flows released to Feather River through Thermalito Afterbay.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	405145	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,710	3,530	10,100	3,510	2,830	1,720	1,600	8,840	3,640	2,500	5,720	4,340	1
2	7,670	3,500	10,100	3,530	2,540	1,710	1,460	8,870	3,660	2,500	5,710	4,380	2
3	7,720	3,520	10,100	3,510	2,190	1,680	1,320	10,200	3,610	2,510	5,440	4,340	3
4	7,690	3,540	10,100	3,440	2,000	1,680	1,180	10,300	4,130	2,510	5,360	4,340	4
5	7,520	3,570	10,000	3,460	1,770	1,700	1,140	10,300	6,240	2,510	5,340	4,320	5
6	7,550	3,570	10,000	3,480	1,710	1,720	1,130	10,300	8,100	2,520	5,350	4,300	6
7	7,570	3,590	9,960	3,530	1,710	1,840	1,130	10,300	9,130	2,520	5,150	4,250	7
8	7,630	3,530	9,990	3,550	1,790	1,850	1,130	10,300	9,220	2,530	5,140	4,300	8
9	7,580	3,520	9,980	3,510	1,810	1,840	1,120	10,500	9,140	2,540	5,120	4,340	9
10	7,570	3,490	7,720	3,490	1,800	1,610	1,130	10,600	9,170	2,540	4,420	4,340	10
11	7,550	3,510	5,870	3,420	1,700	1,740	1,120	10,500	8,290	3,680	4,330	4,320	11
12	7,460	3,520	5,100	3,400	1,870	1,740	1,100	10,600	7,160	4,880	4,340	4,310	12
13	7,400	4,000	4,850	3,420	2,170	1,770	1,130	10,800	6,140	5,910	4,350	4,310	13
14	7,470	6,800	3,680	3,550	1,970	1,750	1,140	10,800	4,970	6,060	4,310	4,260	14
15	7,470	7,450	3,490	3,500	1,850	1,790	1,130	10,700	4,300	6,010	4,340	4,250	15
16	7,450	7,460	3,480	3,400	1,760	1,790	1,120	10,700	4,200	6,040	4,350	4,210	16
17	7,400	7,450	3,540	3,140	1,730	1,810	1,120	9,700	3,130	5,920	4,340	4,190	17
18	7,360	7,550	3,500	3,040	1,750	1,820	1,130	8,480	2,640	5,860	4,370	4,170	18
19	7,250	7,590	3,500	2,970	1,770	1,790	1,130	8,440	2,590	5,830	4,400	4,210	19
20	7,210	7,580	3,490	2,960	1,710	1,750	1,120	7,640	2,590	5,880	4,400	3,560	20
21	7,260	8,940	3,490	2,990	1,690	1,880	1,500	6,250	2,570	5,890	4,390	2,770	21
22	7,310	10,000	3,420	3,000	1,700	1,900	2,000	5,920	2,510	5,930	4,380	2,680	22
23	6,940	10,000	3,440	2,990	1,690	1,860	2,440	4,970	2,520	5,920	4,360	2,660	23
24	5,220	10,100	3,530	2,930	1,680	1,880	3,200	4,040	2,500	5,930	4,330	2,660	24
25	3,740	10,100	3,480	2,890	1,670	1,840	4,290	3,65	2,500	5,940	4,340	2,660	25
26	3,570	10,100	3,460	2,870	1,670	1,790	5,440	3,650	2,510	5,900	4,350	2,660	26
27	3,560	10,100	3,570	2,890	1,680	1,790	6,440	3,650	2,520	5,860	4,400	2,640	27
28	3,630	10,100	3,550	2,960	1,690	1,760	7,640	3,630	2,520	5,830	4,350	2,660	28
29	3,540	10,200	3,490	2,910	1,740	1,720	7,920	3,620	2,510	5,820	4,310	2,660	29
30	3,530	10,200	3,490	2,890	1,750	1,750	8,020	3,650	2,490	5,850	4,320	2,640	30
31	3,560		3,520	3,020	1,700			3,640		5,810	4,320		31
MEAN	6,520	6,603	5,699	3,230	1,854	1,781	2,417	7,894	4,573	4,709	4,633	3,725	MEAN
MAX.	7,720	10,200	10,100	3,550	2,830	1,900	8,020	10,800	9,220	6,060	5,720	4,380	MAX.
MIN.	3,530	3,490	3,420	2,870	1,670	1,640	1,100	3,620	2,490	2,500	4,310	2,640	MIN
AC FT.	40,919	39,295	35,040	19,8645	10,4982	10,9547	14,3841	4,95633	2,72132	28,9567	28,4886	22,1692	AC FT.

## WATER YEAR SUMMARY

MEAN DISCHARGE	DISCHARGE 11000	MAXIMUM DISCHARGE	DATE	MO	DAY	TIME	DISCHARGE 1090.0	MINIMUM DISCHARGE	MO	DAY	TIME	TOTAL ACRES FEET
4493.6		79.22		05	14	0915		74.81	06	12	1430	3253198

E - ESTIMATE  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.D 8 & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 22 01	121 38 43	SW 33 18N 3E	102.25		12-23-1955	JAN 1944-DATE	MAR 29-MAY 37# OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929	0.00 -2.91	USED USCGS	

Station located near highway bridge 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

# - Flood season only.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.5	6.1	4.2	7.7	1,110	27	42	12	3.3	1.2	0.3	1.4	1
2	0.4	4.2	4.4	6.8	1,540	32	35	1	3.6	1.2	0.4	1.3	2
3	0.5	3.0	7.0	6.2	337	27	32	9.3	3.4	1.8	0.9	1.3	3
4	0.5	2.6	15	5.9	533	22	33	14	2.9	2.3	0.8	1.0*	4
5	0.4	2.1	10	5.9	179	22	67	11	2.6	2.8	0.8	0.8	5
6	0.3	2.0	7.4	77	138	32	70	10	3.2	2.5	0.7	0.9	6
7	0.4	2.5	6.2	127	163	233	57	13	2.6	2.1	0.6	0.9	7
8	0.3	6.8*	5.6	128	545	418	81	8.8	2.5	1.9	0.4	0.8	8
9	0.4	5.5	5.2	41	435	172	63	8.5	2.0	1.7	0.6	1.3	9
10	0.8	3.9	5.1	22	384	130	45	8.0	2.0	1.7	0.9	1.7	10
11	1.2	3.2	4.6	17	156	90	36	7.7	1.7	1.6	1.1	2.5	11
12	0.9	2.8	4.6	14	1,870	59	30	7.0	1.7	1.4	1.2	2.2	12
13	0.9	2.5	4.9	15	2,370	83	26	4.5	1.7	1.4	1.3	1.7	13
14	0.9	2.3	4.9	17	359	128	25	5.9	1.7	1.2	1.6	1.4	14
15	0.8	2.3	4.8	17	192	77	24	5.2*	1.8	1.1	1.6	1.1	15
16	0.7	2.2	4.7	16	125	187	21	6.5	1.8	1.2	1.5	1.0	16
17	0.7	2.0	4.6	15	86	109	19	6.6	1.9	1.1	1.6	1.2	17
18	0.6	2.5	4.5	15	65	145	17	6.0	2.0	0.9*	2.5	1.5	18
19	0.7	3.5	4.4	14	95	453	15	7.0	2.4*	0.7	3.3	1.9	19
20	0.8	3.3	4.4	13	104	274	14	7.0	3.0	1.3	2.7	2.5	20
21	1.0	3.8	4.6	11	59	429	14	7.2	2.3	1.6	2.4	2.1	21
22	1.4	5.3	4.5	11	44	467	13	8.1	2.1	1.5	2.0	1.5	22
23	1.8	4.6	4.1	10	37	196	12	7.0	1.8	1.4	1.6	1.2	23
24	2.7	4.3	3.9	11	32	339	31	6.9	2.0*	0.9	1.2	1.4	24
25	2.8*	4.4	3.8	11	30	670	68	5.1	2.2	0.8	1.0	1.5	25
26	2.8	4.5	3.9	11	27	232	31	4.6	1.9	0.5	1.0*	1.7	26
27	2.7	4.2*	4.9	10	24	150	23	4.4	1.6	0.3	1.2	1.7	27
28	5.4	4.2	4.5	8.7	22	102	16	4.2	1.8	0.2	1.3	1.7	28
29	6.1	4.0	27	8.1		77	16	3.9	1.7	0.1	1.5	1.5	29
30	4.6	4.1	13	5.4		63	14	3.9	1.5	0.1	2.3	1.4	30
31	4.8		9.5	7.2		53		3.6		0.5	1.8		31
MEAN	1.6	3.6	7.8	22.1	395	178	33.1	7.3	2.2	1.3	1.4	1.5	MEAN
MAX	6.1	6.8	45.0	128	2,370	670	11.0	1.0	3.6	2.8	3.3	2.5	MAX
MIN	0.3	2.0	3.8	5.9	22.0	20.0	12.0	3.6	1.5	0.1	0.3	0.8	MIN
AC. FT.	97	216	477	1360	21939	10990	1968	448	132	77	84	87	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 - E AND \*

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET
52.3	7340	11.09	02	12	0.1	3.14	07	29	37876

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 20 32	121 29 25	SW 11 17N 4E	10,700 E	11.57	12-26-1964	DCT 59-SEPT 62 JUL 63-DATE	DCT 59-SEPT 62 JUL 63-DATE	1959 1963	1962	0.00	LOCAL
Station located 0.4 mile north of Honcut-Hyandotte Road and Bangor Highway junction, 5.7 miles southwest of Bangor. Tributary to Feather River. Flow partly regulated by Lake Hyandotte. Drainage area is 47.1 square miles.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A61265	SQUIRREL CREEK NEAR PENN VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	11	10	14	30.0	17	27	21	16	13	12	12	1
2	12	9.0	9.8	13	487	19	24	20	18	14	13	11	2
3	12	8.3	25	12	290	14	25	24	18	14	13	11	3
4	12	8.4	33	12	372	15	45	23	17	15	13	10	4
5	12	8.4	14	11	73	18	186	21	16	15	12	9.5	5
6	11	8.6	11	286	48	24	150	19	18	13	12	9.2	6
7	11	11	9.9	150	42	134	109	18	18	13	12	9.2	7
8	11	12	12	318	132	219	80	18	18	12	14	9.6	8
9	12	10	12	37	572	58	55	20	17	12	14	10	9
10	12	9.5	12	23	244	43	42	20	18	11	13	11	10
11	11	9.3	12	19	55	32	34	20	18	12	12	12	11
12	10	9.1	11	17	631	26	29	20	19	12	11	12	12
13	10	9.0	12	16	712	32	27	21	16	12	12	12	13
14	10	8.9	11	15	133	50	25	21	16	12	12	12	14
15	10	9.7	11	14	59	65	25	21	16	12	12	12	15
16	11	10	11	14	40	192	24	21	17	15	12	10	16
17	10	10	10	13	32	45	23	20	17	14	12	9.2	17
18	9.5	11	11	12	28	40	24	20	17	12	17	10	18
19	8.6	10	11	12	72	117	22	20	17	11	17	10	19
20	8.6	10	11	12	53	60	21	19	17	10	15	11	20
21	8.6	19	11	11	33	299	20	19	16	9.9	15	12	21
22	8.7	14	11	11	27	172	20	19	16	9.5	14	12	22
23	8.6	11	10	10	25	54	22	18	15	8.7	13	12	23
24	8.8	10	8.8	10	24	340	50	18	17	9.5	13	12	24
25	8.3	18	9.0	9.9	23	555	38	18	18	9.0	12	11	25
26	8.3	18	9.2	10	21	83	28	17	16	8.9	12	11	26
27	9.5	15	30	9.8	19	49	24	17	13	9.9	12	12	27
28	22	8.8	129	9.7	17	39	23	17	13	10	12	13	28
29	12	9.4	24	9.9	35	32	22	16	12	12	12	12	29
30	9.5	10	17	9.8	32	21	18	12	12	12	12	11	30
31	16	15	14	14	29	16	16	12	12	12	12	12	31
MEAN	10.8	10.9	17.2	36.6	163	93.8	42.2	19.3	16.4	11.8	12.9	11.0	MEAN
MAX.	22.0	19.0	129	318	712	555	186	24.0	19.0	15.0	17.0	13.0	MAX.
MIN	8.3	8.3	8.8	9.7	17.0	15.0	20.0	16.0	12.0	8.7	11.0	9.2	MIN
AC FT.	666	647	1459	2251	9064	5770	2509	1186	976	725	791	656	AC FT.

WATER YEAR SUMMARY

E - ESTIMATE NR - NO RECORD * - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY - E AND *	MEAN DISCHARGE 36.3	MAXIMUM DISCHARGE 2690	GAGE HT 12.76	MO 02	DAY 12	TIME 2015	DISCHARGE 6.9	MINIMUM GAGE HT 5.81	MO 06	DAY 27	TIME 1600	TOTAL ACRE FEET 26301
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LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
39 12 38	121 12 04	SW 26 16N 7E	2,690	12.76	2-12-75	FEB 1972-DATE	FEB 1972-DATE	1972		0.00	LOCAL
Station located 0.4 mile north of Highway 20 on Bridgeport Road, 1.5 miles northwest of Penn Valley. Station established and operated in cooperation with Nevada Irrigation District.											



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO.		STATION NAME									
1975		405120		FATHER RIVER BELOW SHANGHAI REND									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,480	4,160	14,600	7,450	6,000	3,560	5,500	10,400	6,980	4,100	8,430	6,880	1
2	8,460	4,070	14,600	7,260	12,900	3,560	5,890	10,300	7,410	4,130	7,960	6,950	2
3	8,500	3,950	14,600	7,290	12,200	3,700	6,360	10,900	7,400	4,310	7,430	6,940	3
4	8,500	3,980	15,000	7,250	9,170	4,190	6,280	11,400	7,500	4,130	7,770	6,950	4
5	8,420	3,980	14,900	7,210	7,140	4,220	6,600	11,700	8,990	4,130	7,430	6,970	5
6	8,350	4,110	14,800	7,460	5,600	4,400	6,790	11,500	11,300	4,160	7,450	6,970	6
7	8,390	4,070	14,600	8,460	4,280	4,820	6,560	11,300	12,900	4,160	7,770	6,980	7
8	8,520	4,220	14,000	8,870	4,960	7,070	6,510	11,300	13,200	4,070	7,620	6,980	8
9	8,630	4,130	14,400	8,470	7,680	6,860	6,290	11,300	14,600	4,100	7,620	7,110	9
10	8,650	4,070	13,200	8,150	8,400	5,700	6,300	11,600	14,200	4,070	7,350	7,100	10
11	8,590	4,000	14,900	8,010	5,670	5,450	6,150	11,400	13,800	4,590	6,870	7,130	11
12	8,590	4,070	4,240	7,640	4,460	5,210	6,090	11,700	12,500	5,700	6,840	7,140	12
13	8,450	4,070	9,000	7,320	18,700	5,180	5,790	12,500	11,600	7,020	6,850	7,140	13
14	8,480	4,090	8,100	6,940	16,450	5,560	5,500	12,500	10,800	7,420	6,860	7,120	14
15	8,540	4,370	7,490	6,030	9,720	5,410	5,930	12,400	10,100	7,660	6,820	7,100	15
16	8,540	4,240	7,420	5,910	6,900	5,810	5,920	12,500	9,740	7,670	6,830	7,070	16
17	8,450	4,560	7,420	5,600	5,420	5,750	5,870	12,100	8,940	7,580	6,840	7,060	17
18	8,410	4,080	7,420	5,620	4,400	5,970	5,890	11,100	7,540	7,490	6,900	7,020	18
19	8,380	4,210	7,340	5,450	4,070	6,270	5,810	11,600	6,830	7,470	6,930	7,040	19
20	8,310	4,470	7,380	5,420	4,470	7,500	5,750	11,100	6,410	7,560	6,940	6,820	20
21	8,300	1,4200	7,380	5,580	4,790	6,840	5,790	9,540	5,330	7,630	6,930	6,050	21
22	8,440	12,300	7,300	5,610	4,630	10,400	6,100	4,080	4,080	8,160	6,940	5,590	22
23	8,440	12,800	7,170	5,580	4,500	9,290	6,480	8,180	4,760	8,550	6,930	5,540	23
24	7,100	13,200	7,240	5,460	4,400	8,610	6,790	5,900	4,340	8,560	6,920	5,560	24
25	5,590	13,700	7,210	5,380	4,340	13,700	7,820	4,920	4,820	8,630	5,910	5,550	25
26	4,400	14,000	7,160	5,180	4,310	14,100	7,210	4,850	5,260	8,590	6,840	5,530	26
27	4,160	14,500	7,360	5,060	4,340	11,000	7,870	5,020	4,050	8,100	6,790	5,530	27
28	4,310	14,600	7,990	4,950	4,190	8,080	9,160	6,220	3,990	8,230	6,770	5,560	28
29	4,250	14,700	7,960	4,430	8,320	10,400	10,400	6,300	3,490	8,270	6,760	5,580	29
30	4,190	14,600	7,680	4,340	7,860	10,400	6,530	4,130	8,340	6,750	6,750	5,540	30
31	4,280		7,340	4,660	7,240		7,430			8,380	6,840		31
MEAN	7,502	8,217	9,958	6,395	6,921	6,821	6,651	7,794	8,289	6,561	7,151	6,551	MEAN
MAX	8,650	14,700	15,300	8,870	18,700	14,100	10,400	12,500	14,200	8,630	9,430	7,140	MAX
MIN.	4,160	3,950	7,170	4,340	4,000	3,560	3,560	4,850	3,890	4,070	6,750	5,530	MIN
AC FT.	461315	489965	612317	392608	394396	194444	390357	602241	420059	403458	439715	389811	AC FT.

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET
	DISCHARGE	GAGE MT	MO	DAY	DISCHARGE	GAGE MT	MO	DAY	
7573.1	22700	44.03	02	13	3010.0	34.29	04	01	548268.8

E - ESTIMATED  
NR - NO RECORD  
+ - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- - E AND -

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE MT	DATE			FROM	TO	
38 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 JAN 46-DATE	NOV 26-MAY 35 OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 OCT 43-DATE	1926	1926	USGS
Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and power plants. Drainage area is 5,337 square miles.										
0 - Irrigation season only.										
# - Flood season only.										

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02903	SACRAMENTO WEIR SPILL TO YOLO BYPASS (a)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0	0							1
2					0	0							2
3					0	0							3
4					0	0							4
5					0	0							5
6					0	0							6
7					0	0							7
8					0	0							8
9					0	0							9
10					0	0							10
11	N	N	N	N	0	0	N	N	N	N	N	N	11
12	O	O	O	O	0	0	O	O	O	O	O	O	12
13					87	0							13
14					103	0							14
15	F	F	F	F			F	F	F	F	F	F	15
16	L	L	L	L	101	0	L	L	L	L	L	L	16
17	O	O	O	O	50	0	O	O	O	O	O	O	17
18					0	0							18
19	W	W	W	W	0	0	W	W	W	W	W	W	19
20					0	0							20
21					0	0							21
22					0	17							22
23					0	87							23
24					0	102							24
25					0	143							25
26					0	178							26
27					0	158							27
28					0	140							28
29						109							29
30						60							30
31						2.5							31
MEAN					12.2	32.1							MEAN
MAX.					103	178							MAX.
MIN.					0	0							MIN.
AC. FT.					676	1,977							AC. FT.

**WATER YEAR SUMMARY**

(a) - Leakage through needles during 1975  
 E - ESTIMATED water year.  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO.	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
3.7	181		3	26	0830						2,653

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CF5	GAGE HT	DATE						
			118,000 E	32.8	3-26-1928	1926-DATUM					
See Sacramento River at Sacramento Weir for stage record and location. Elevation of fixed crest of weir is 24.5* feet, USED Datum; elevation of movable crest (top of needles) is 30.5* feet, USED Datum. There are 48 gates, each 38 feet in length. *From 1964 surveys. Previously listed as 25.0 and 31.0, respectively.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

DAILY MEAN DISCHARGE																		
(IN CUBIC FEET PER SECOND)																		
<table><tr><th>WATER YEAR</th><th>STATION NO.</th><th>STATION NAME</th></tr><tr><td>1975</td><td>A00047</td><td>DRY CREEK AT ROSEVILLE</td></tr></table>													WATER YEAR	STATION NO.	STATION NAME	1975	A00047	DRY CREEK AT ROSEVILLE
WATER YEAR	STATION NO.	STATION NAME																
1975	A00047	DRY CREEK AT ROSEVILLE																
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY					
1	26	33	31	40	141	61	82	45	19	20	13	22	1					
2	24	28	31	41	526	66	76	42	20	20	13	21	2					
3	25	26	70	39	390	59	76	47	22	20	14	20	3					
4	24	25	113	41	428	56	92	55	21	21	13	18	4					
5	23	25	52	41	173	77	350	51	19	22	12	17	5					
6	22	24	41	85	121	102	307	48	19	21	12	16	6					
7	21	34	37	101	115	212	173	44	18	19	12	15	7					
8	21	58	35	104	148	530	121	41	16	18	12	18	8					
9	21	40	34	74	492	198	101	41	15	16	12	19	9					
10	21	35	34	59	209	154	87	41	15	15	12	21	10					
11	20	34	34	53	149	127	79	37	15	15	12	26	11					
12	18	34	34	48	294	98	74	34	15	15	11	25	12					
13	17	34	36	45	907	283	68	34	15	16	13	25	13					
14	17	33	35	44	355	338	65	35	17	16	13	25	14					
15	21	33	34	42	176	165	65	41	17	17	14	23	15					
16	19	33	34	42	129	265	62	42	19	22	16	24	16					
17	19	33	34	40	102	144	63	38	17	20	17	21	17					
18	20	34	34	40	89	119	59	30	18	18	21	20	18					
19	20	36	33	39	189	114	57	31	19	18	31	20	19					
20	21	30	33	39	221	113	53	20	21	18	30	21	20					
21	21	49	34	38	112	246	50	32	21	18	30	21	21					
22	22	58	33	39	93	496	48	29	21	16	30	21	22					
23	22	38	33	39	76	183	54	29	20	14	25	18	23					
24	23	35	33	39	72	310	70	26	25	13	23	17	24					
25	23	36	30	38	69	666	92	24	26	11	22	16	25					
26	20	34	32	38	64	270	71	23	25	11	19	15	26					
27	21	30	47	36	62	170	63	21	23	11	21	14	27					
28	41	32	228	36	60	128	56	20	20	12	24	16	28					
29	33	33	79	37		110	50	20	20	13	22	17	29					
30	26	32	50	48		101	46	19	20	14	21	18	30					
31	34	42	42	47		95		18		13	22		31					
MEAN	22.8	34.6	47.1	47.8	214	195	90.3	34.5	19.3	16.5	18.1	19.7	MEAN					
MAX	11.0	58.0	228	104	907	666	350	55.0	26.0	22.0	31.0	26.0	MAX					
MIN.	17.0	24.0	36.0	16.0	60.0	56.0	46.0	18.0	15.0	11.0	11.0	14.0	MIN					
AC FT.	1400	2061	2696	2940	11925	12012	5374	2122	1146	1018	1115	1170	AC FT.					

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

WATER YEAR SUMMARY													
MEAN		MAXIMUM						MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	DATE	HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
62.4		1180	8.33		02	13	0815	9.9	2.79	07	27	0330	45179

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R. M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 44 47	121 16 57	SE 2 10N 6E	2,370	15.90	1-26-1969	APR 1966-DATE	APR 1966-DATE	1966	1969	0.00	LOCAL
Station located 1,400 feet above Douglas Street bridge. Prior to November 3, 1969, station located 100 feet above Douglas Street bridge. Tributary to Sacramento River via Linda Creek and Back Borrow Pit of Reclamation District 1000.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.) DAILY MEAN DISCHARGE (IN CUBIC FEET PER SECOND)					WATER YEAR		STATION NO.	STATION NAME						
					1975		A02100	SACRAMENTO RIVER AT SACRAMENTO						
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1	21,500	18,500	29,100	22,400	17,600	30,100	62,100	29,100	25,100	16,700	19,100	21,900	1	
2	21,600	19,000	29,200	20,700	24,300	28,000	54,900	29,200	24,900	16,500	19,200	21,800	2	
3	21,400	19,400	29,800	19,500	36,700	27,300	48,000	29,700	25,200	16,500	19,000	22,000	3	
4	21,300	18,900	30,800	19,000	40,600	26,400	42,100	30,600	25,200	16,400	18,700	22,300	4	
5	21,500	17,800	34,400	18,900	40,400	26,200	38,900	31,300	25,600	16,300	18,900	21,800	5	
6	21,600	16,900	37,900	18,700	36,700	26,100	38,300	32,300	27,200	16,200	19,200	21,600	6	
7	21,500	16,100	36,000	19,400	33,600	25,700	38,300	31,800	29,100	16,100	19,000	21,400	7	
8	21,600	16,200	33,400	21,900	32,900	28,500	37,300	31,000	30,300	16,200	18,700	21,100	8	
9	21,700	16,000	31,700	25,400	40,600	37,700	35,800	30,400	30,900	16,100	18,700	20,500	9	
10	21,700	16,300	30,700	27,600	47,800	42,700	35,300	30,800	30,900	15,900	18,700	20,800	10	
11	21,800	16,900	28,900	26,600	51,100	47,800	33,800	31,500	30,400	15,600	18,500	21,200	11	
12	21,700	17,800	26,600	24,400	53,600	54,200	31,300	32,100	29,500	16,300	18,300	21,600	12	
13	21,300	18,400	25,300	22,400	62,200	57,400	29,700	32,400	28,000	17,400	18,300	21,500	13	
14	20,700	18,700	24,700	20,800	71,300	59,000	29,000	33,400	26,100	18,600	18,500	21,400	14	
15	20,200	20,700	23,700	19,600	71,500	56,800	28,300	33,800	25,000	19,300	18,600	21,600	15	
16	19,800	22,200	23,300	18,700	71,300	53,700	28,700	34,100	24,400	19,400	18,400	21,500	16	
17	19,700	22,700	22,700	18,300	69,500	51,300	29,700	34,600	23,900	19,800	18,300	21,200	17	
18	19,600	22,800	22,200	17,700	66,900	49,000	28,300	34,200	23,200	20,500	18,900	20,900	18	
19	19,200	23,200	21,900	17,400	63,200	47,700	27,200	33,500	21,900	20,300	19,400	20,800	19	
20	19,300	23,800	21,200	17,100	57,300	49,300	26,600	33,800	21,000	20,000	20,000	20,700	20	
21	19,600	24,300	20,400	17,700	52,600	54,700	26,100	34,900	20,400	20,000	20,600	20,000	21	
22	20,200	26,000	20,000	17,800	49,500	65,400	25,600	33,400	19,600	19,900	21,000	19,100	22	
23	21,200	27,300	19,800	17,800	46,700	69,300	24,800	30,800	19,200	20,300	20,900	18,800	23	
24	21,200	27,800	19,400	17,500	43,800	69,700	24,300	28,000	18,600	20,100	20,700	18,300	24	
25	19,900	28,000	19,200	17,100	41,000	71,600	25,200	25,300	17,900	19,600	20,400	18,200	25	
26	17,400	28,400	19,100	16,900	38,700	73,800	27,300	24,100	18,000	19,600	20,500	17,900	26	
27	16,400	28,700	18,900	16,700	36,300	72,600	29,200	23,700	18,300	19,700	20,600	17,900	27	
28	16,500	29,000	20,500	16,400	32,800	71,900	29,700	24,100	17,700	19,400	20,500	17,800	28	
29	17,200	29,200	22,800	16,300	70,400	29,800	24,800	24,800	16,900	19,500	20,600	17,900	29	
30	17,400	29,100	26,400	15,800	68,600	29,400	24,700	24,700	16,900	19,400	20,800	17,900	30	
31	18,000		25,000	15,900	66,300		24,800			19,200	21,400		31	
MEAN	20,120	22,000	25,650	19,430	47,520	50,940	33,170	30,260	23,710	18,280	19,500	20,380	MEAN	
MAX.	21,800	29,200	37,900	27,600	71,500	73,800	62,100	34,900	30,900	21,500	21,400	22,300	MAX.	
MIN.	16,400	16,000	18,900	15,800	17,600	25,700	24,500	23,700	16,900	15,600	18,300	17,800	MIN.	
AC. FT.	1,237,000	1,309,000	1,577,000	1,195,000	2,639,000	3,132,000	1,974,000	1,861,000	1,411,000	1,124,000	1,199,000	1,213,000	AC. FT.	

**WATER YEAR SUMMARY**

E — ESTIMATED  
NR — NO RECORD  
\* — DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# — E AND \*

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO.	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
27,450	74,400	21.85	3	26	0830						19,870,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R N O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM	
			CF5	GAGE HT	DATE						
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04- 05 JUN 21-NOV 21 MAY 24-DEC 42 <sup>8</sup> MAY 43-DATE	JAN 04-JULY 05 20-DATE	1904 1956 1956 1965	0.12 0.00 2.98 -0.23 0.00	USCSG USGCS USED USCSG USCSG	
Station located 1,000 feet above I Street Bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Records furnished by U. S. Geological Survey. Drainage Area is 23,530 square miles.											
♂ - Irrigation season only.											

TABLE B-5 (Cont.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	481810	MIDDLE CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.3	0.5	11	100	73	142	60	9.3	0.6	0.0	0.0	1
2	0.4	1.2	0.6	8.9	207	104	124	56	8.4	0.7	0.0	0.0	2
3	1.0	1.2	0.7	7.8	155	82	116	55	7.5	0.7	0.0	0.0	3
4	0.9	1.1	0.6	8.8	311	73	117	52	7.1	0.7	0.0	0.0	4
5	1.0	1.1	0.5*	11	154	71	112	49	6.1	0.6	0.0	0.2	5
6	1.1	1.1	0.5	24.9	281	72	107	46	4.5	0.6	0.0	0.2	6
7	1.1	1.2	0.5	14.2	506	352	102	44	4.1	0.7	0.0	0.1	7
8	1.2	1.1	0.5	418	918	650	97	41	3.8	0.7	0.0	0.4	8
9	1.2	1.0	0.6	172	1,380	424	87	39	3.6	0.5	0.0	0.4	9
10	1.3	1.0	0.6	111	892	356	91	37	2.9	0.7	0.0	0.0	10
11	0.9	1.0	0.6	70	455	270	77	36	2.3	0.5	0.0	0.0	11
12	0.5	0.9	0.7	59	1,140	185	73	34	2.1	0.5	0.0	0.2	12
13	0.3	0.9	0.7	48	1,580	162	69	33	2.2	0.3	0.0	0.3	13
14	0.2	0.9	0.7	40	666	140	66	32	2.1	0.2	0.0	0.4	14
15	0.2	0.9	0.7	34	398	145	62	30	1.9	0.2	0.0	0.3	15
16	0.6**	0.8	0.8	28	291	180	60	29	2.0	0.3	0.0	0.1	16
17	0.9	0.8	0.8	24	211	486	50	27	2.0	0.1	0.0	0.0	17
18	1.0	0.8	0.9	21	134	1,350	52	25	2.0	0.1	0.0	0.0	18
19	1.2	0.7	0.9	18	507	1,270	49	24	1.7*	0.1	0.0	0.0	19
20	1.3	0.7	1.0	16	465	632	48	23	2.0	0.1	0.0	0.0	20
21	1.3	0.7	1.0	14	318	1,120	46	22	2.2	0.0	0.0	0.0	21
22	1.3	0.7	1.0	12	209	1,090	43	21	2.4	0.0	0.0	0.0	22
23	1.3	0.6	1.1	10	144	743	46	20	2.3	0.0	0.0	0.0	23
24	1.3	0.7	1.2	10	122	1,110	171	10	2.2	0.0	0.0	0.0	24
25	1.3	0.6	1.2	9.7	100	1,880	138	18	2.1	0.0	0.0	0.0	25
26	1.2	0.6	1.3	9.5	85	841	99	15	2.1	0.0	0.0	0.0	26
27	1.5	0.6	0.9	8.6	79	526	83	15	2.0	0.0	0.0	0.0	27
28	1.6	0.6	7.0	7.9	74	383	75	14	1.5	0.0	0.0	0.0	28
29	1.3	0.5	28	7.5*		299	70	13	1.0	0.0	0.0	0.0	29
30	1.3	0.5	19	6.5		246	65	12	0.9	0.0	0.0	0.0	30
31	1.3		14	9.4		181		11		0.0	0.0		31
MEAN	1.0	0.9	7.7	52.0	428	499	84.4	30.7	3.2	0.3	0.0	0.1	MEAN
MAX.	1.3	1.3	89.0	418	1,580	1,880	171	60.0	9.3	0.7	0.0	0.4	MAX.
MIN.	0.0	0.5	0.5	6.5	74.0	71.0	43.0	11.0	0.9	0.0	0.0	0.0	MIN.
AC FT	61	51	476	3197	23806	30736	5024	1890	191	18		6	AC FT

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

\*\* - E AND A

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE 90.4	DISCHARGE 2930	DATE MT 10.97	MO DAY TIME 03 25 0245
		DISCHARGE 0.0	DATE MT 4.55
			MO DAY TIME 10 01 0000
			ACRES FEET 65456

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE	REF. DATUM
			CF5	GAGE HT	DATE				FROM	TO		
39 10 59	122 54 39	NEL 15N 10W	6,800 E	14.75	12-22-64	OCT 48-SEP 53 MAR 59-SEP 59 AUG 62-DATE	OCT 48-DATE		1959	1962	1353.6 0.00	USCGS LOCAL
Station located at Ranchers Road Bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake. Flow affected by upstream diversion. Drainage area is 48.5 sq. mi.												

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A81845	SCOTTS CREEK AT EICKHOFF ROAD NEAR LAKEPORT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	12	490	55	138	37	5.5	0.0	0.0	0.0	1
2	0.0	0.0	0.0	9.8	792	104	117	34	5.2	0.0	0.0	0.0	2
3	0.0	0.0	21	8.5	432	72	108	35	4.5	0.0	0.0	0.0	3
4	0.0	0.0	17	8.3	686	62	109	32	3.4	0.0	0.0	0.0	4
5	0.0	0.0	0.0*	7.8	314	64	100	28	2.4	0.0	0.0	0.0	5
6	0.0	0.0	0.0	239	503	96	87	27	1.5	0.0	0.0	0.0	6
7	0.0	0.0	0.0	103	719	950	85	26	1.1	0.0	0.0	0.0	7
8	0.0	0.0	0.0	220	982	77	24	0.8	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	124	1,370	516	70	23	0.4	0.0	0.0	0.0	9
10	0.0	0.0	0.0*	66	904	376	64	21	0.3	0.0	0.0	0.0	10
11	0.0	0.0	0.0	57	391	266	60	21	0.1	0.0	0.0	0.0	11
12	0.0	0.0	0.0	52	975	194	55	20	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	45	1,390	171	52	19	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	39	559	156	50	18	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	34	336	184	45	18	0.0	0.0	0.0	0.0	15
16	0.0*	0.0	0.0	27	225	412	44	17	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	23	160	653	39	16	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	19	123	1,460	36	15	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	16	263	1,260	35	14	0.0*	0.0	0.0	0.0	19
20	0.0	0.0	0.0	14	274	638	34	14	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	12	191	1,370	32	13	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	9.2	151	1,600	29	13	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	7	119	830	32	13	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	7.4	96	887	85	12	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	7.1	79	1,380	82	11	0.0*	0.0	0.0	0.0	25
26	0.0	0.0	0.0	7.1	89	681	60	9.7	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	6.8	61	443	51	8.9*	0.0	0.0	0.0	0.0	27
28	0.0	0.0	112	6.5	56	319	46	8.3	0.0	0.0	0.0	0.0	28
29	0.0	0.0	40	5.7	246	42	7.7	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	23	4.9	196	42	6.8	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	16	11	166		6.1		0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	9.8	39.0	453	543	63.5	18.3	0.8	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	112	239	1,390	1,600	138	37.0	5.5	0.0	0.0	0.0	MAX.
MIN	0.0	0.0	0.0	4.9	56.0	55.0	29.0	6.1	0.0	0.0	0.0	0.0	MIN.
AC FT.			601	2400	25210	33408	3780	1128	50				AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR

OBSERVATION OF FLOW MADE THIS DAY

- E AND \*

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET
92.0	2900	11.10	03	21	0.0	1.50	10	01	66576

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	DF RECDRD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
39 05 44	122 57 38	NW3 14N 10W	11,100	13.38	1-16-74	MAR 68-DATE	MAR 68-DATE	1968	0.00	LOCAL	
Station located at Eickhoff Road bridge, 4.2 mi. NW of Lakeport. Prior to October 1, 1968, gage at site 3.0 mi. upstream. Tributary to Clear Lake via Middle Creek. Flow affected by upstream diversion. Drainage area is 55.2 sq. mi.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A81940	CLOVER CREEK BYPASS NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2					151								2
3					205								3
4					350								4
5					326								5
6					373								6
7					573	335							7
8					761	409							8
9					1070	263							9
10					1030	194							10
11					599	123							11
12					394								12
13					507								13
14					232 *								14
15					105								15
16													16
17						257							17
18						560							18
19					196	527 *							19
20					193	298							20
21						439							21
22						451							22
23						321							23
24						404							24
25						582							25
26						343							26
27						197							27
28						101							28
29													29
30													30
31													31
MEAN MAX. /MIN. AC. FT.					FLOWS OF LESS THAN 100 DAILY MEAN CFS NOT PUBLISHED								MEAN MAX. /MIN. AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN
DISCHARGE

MAXIMUM				
DISCHARGE	DAGE HT.	MO.	DAY	TIME

MINIMUM				
DISCHARGE	DAGE HT.	MO.	DAY	TIME

TOTAL
ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 10 33	122 54 00	SE6 15N 9W	4970	7.64	1/23/70	NOV 59-SEPT 66 OCT 68-DATE	NOV 59-DATE	1959		0.00	LOCAL
Station located 0.2 mi. above Lake Pillsbury Road bridge, 0.8 mi. N of Upper Lake. Tributary to Clear Lake vis Middle Creek. Flows of less than 100 daily mean cfs not published.											



(IN CUBIC FEET PER SECOND)

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A81200	CACHE CREEK ABOVE RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

DATA INSUFFICIENT TO COMPUTE DISCHARGE

**WATER YEAR SUMMARY**

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # — E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE MT.	MO.	DAY	TIME	DISCHARGE	GAGE MT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
38 54 47	122 16 14	SE 2 12N 4W	43,400	19.59	1-24-1970	OCT 59-SEPT 63 JUN 65-DATE	OCT 59-DATE	1959		0.00 LOCAL
Station located 0.4 mile below State Highway 16 bridge, 2.5 miles northwest of Rumsey. Flow regulated by Clear Lake. Drainage area is 955 square miles. Station discontinued July 3, 1975.										

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	445010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.2	7.8	5.7	11	20.9	32	101	26	4.6	2.4	1.5	0.8	1
2	5.7*	5.0	7.3	9.0	60.2	53	48	23	6.2	2.6	1.3	0.8	2
3	6.0	3.4	21	8.0	281	41	87	21	7.5	2.6	1.2	0.8*	3
4	6.8	1.9	4	7.4	481	34	99	20	5.7	2.6	1.0	0.8	4
5	7.0	1.9	15 *	7.0	220	36	106	19	5.3	2.7	0.9	0.7	5
6	6.8	1.5	1	101	178	39	118	20	5.6	2.6	0.9	0.7	6
7	7.5	1.8	8.8	58	544	735	99	18	6.3	2.5	0.8	0.6	7
8	8.2	2.2	7.3	141	916	1,010	78	18	6.1	2.4	0.8	0.8	8
9	6.2	1.7	6.6	44	1,340	332	72	17	5.4	2.1	0.7	0.9	9
10	7.6	1.8	6.0	26	834	323	64	15	5.0	2.0	0.7	1.2	10
11	7.5	1.6	5.4	18	266 *	206	58	14	4.3	2.0	0.7	1.1	11
12	7.2	1.6	5.2	13	1,790	141	51	14	4.3	2.0	0.6	1.0	12
13	7.9	1.5	4.9	10	2,400 *	123	47	12	4.2	1.9	0.7	1.0	13
14	6.6	1.5	4.5	7.0	464	124	44	11	3.7	1.9	0.7	0.9	14
15	7.9	1.6	4.3	6.4	241	177	41	12 *	3.7	2.4	0.7	0.8	15
16	8.9	1.8	4.1	5.7*	183	320	43	13	4.1	3.0	0.9	0.7	16
17	9.2	2.0	4.1	4.4	121	437	42	11	4.5	3.0	1.0	0.8	17
18	8.6	2.6	4.1	4.1	92	1,270	39	11	5.2	2.7	0.9	0.8	18
19	8.2	2.6	4.1	3.6	144	865	35	10	5.4	2.4	0.9	0.8	19
20	8.0	2.4	4.1	3.1	144	402	33	9.4	5.1	2.2	1.0*	0.8	20
21	7.7	5.0	3.3	2.8*	91	1,990	31	9.1	3.7	1.9*	0.8	0.8	21
22	7.5	12	3.7	2.4	70	1,030	29	8.6	3.1	1.7	0.7	1.1	22
23	7.5	8.8	3.6	2.4	58	442	30	8.6	3.0	1.6	0.6	1.0	23
24	8.1	5.7	3.6	2.2	51	485 *	89	8.7	3.3	1.6	0.6	0.8	24
25	8.4	6.0	3.6	2.2	47	973	81	7.8	3.0	1.6	0.6	0.9	25
26	9.0	5.0	3.6	2.0	40	382	45	7.7	2.9*	1.5	0.7	2.3	26
27	9.9	4.4	6.6	2.0	37	266	41	7.4	2.7	1.3	0.7	5.0	27
28	14	4.1	182	2.0	34	205	37	7.0	2.6	1.3	0.8	3.6	28
29	11	3.8	37	2.0		164	30	6.3	2.5	1.6	0.7	2.8	29
30	10	3.6	2	5.0		147	27	6.3	2.3	1.6	0.7	2.5	30
31	10		14	42		119		5.5		1.6	0.8		31
MEAN	8.2	3.6	16.6	17.9	423	416	59.5	12.8	4.4	2.1	0.8	1.3	MEAN
MAX	14.0	12.0	182	141	2,400	1,990	118	26.0	7.5	3.0	1.5	5.0	MAX
MIN	5.7	1.5	3.6	2.0	34.0	32.0	27.0	5.5	2.3	1.3	0.6	0.7	MIN
AC. FT.	506	212	120	1102	2353H	25495	3540	788	261	130	51	75	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 - - E AND \*

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MAXIMUM MO	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MINIMUM MO	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
74.5	7360	13.65	13	21	1630	0.6	2.68	08	12	0030	56817

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
38 37 48	122 19 52	SW 17 9N 4W	18,000 E	19.79	1-31-1963	DEC 1960-DATE	DEC 1960-DATE	1960	0.00	LOCAL	

Station located 5.2 miles east of Pope Valley. Tributary to Lake Berryessa. Drainage area is 78.3 square miles.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	409115	PUTAH CREEK, SOUTH FORK, NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18	6.2	13	19	96	18	1,020	64	26	10	2.2	5.4	1
2	19	5.3	14	19	738	20	956	54	24	16	2.2	5.5	2
3	14	7.2	25	19	196	24	880	47	35	15	2.4	3.1	3
4	11	8.9	19	19	215	24	879	47	34	11	3.3	1.6	4
5	9.5	6.7	15	18	224	24	860	6	29	10	5.0	1.4	5
6	9.1	5.2	14	19	146	34	793	49	30	12	7.3	1.3	6
7	13	7.3	14	20	56	49	723	47	29	9.1	7.3	2.3	7
8	10	8.9	14	19	136	1,040	716	46	26	7.3	2.8	2.7	8
9	8.2	7.0	15	20	291	249	776	52	24	14	1.6	3.3	9
10	10	5.8	15	21	350	165	766	55	21	16	1.2	1.3	10
11	11	6.2	15	21	192	109	528	40	17	16	2.2	1.4	11
12	9.5	9.0	15	21	127	55	472	33	12	14	4.0	1.4	12
13	9.3	11	15	21	1,210	37	362	38	16	8.5	5.4	1.2	13
14	7.4	11	15	23	263	38	306	34	17	4.8	7.0	1.2	14
15	10	8.0	15	23	164	37	307	32	14	7.0	11	3.0	15
16	11	7.4	15	22	52	136	290	36	14	14	12	3.6	16
17	9.9	8.0	15	22	23	123	201	37	14	11	9.9	3.7	17
18	9.0	8.4	15	21	27	37	255	30	17	7.8	11	4.1	18
19	9.3	8.1	15	21	49	291	225	32	17	11	11	5.8	19
20	9.1	7.4	15	21	31	2,330	218	34	19	11	9.8	4.5	20
21	8.4	11	15	21	19	2,640	220	48	15	8.8	8.9	2.6	21
22	6.2	12	15	21	16	4,530	122	48	20	13	6.5	2.2	22
23	4.5	8.9	15	21	17	4,260	64	38	18	12	5.3	2.4	23
24	3.4	10	15	21	17	4,080	71	32	16	9.2	6.1	2.9	24
25	3.1	12	15	21	18	4,170	68	36	16	5.2	7.2	2.6	25
26	2.9	12	15	21	17	4,050	125	36	14	3.4	8.6	2.1	26
27	3.0	12	21	20	17	3,260	85	36	16	3.4	9.6	1.6	27
28	8.4	12	40	21	18	1,450	69	26	20	5.0	10	1.4	28
29	8.0	12	38	21		1,370	56	23	14	3.9	8.1	1.7	29
20	6.5	13	40	22		1,260	57	20	11	2.7	5.6	2.8	30
21	6.9		21	32		1,130		25		2.4	3.9		31
MEAN	6.9	8.9	18.1	21.0	168	1,195	416	34.7	19.8	9.5	6.4	2.7	MEAN
MAX	18.0	13.0	40.0	32.0	1,210	4,530	1,020	64.0	35.0	16.0	12.0	5.8	MAX
MIN	2.9	5.2	13.0	18.0	16.0	18.0	56.0	20.0	11.0	2.4	1.2	1.2	MIN
AC FT	545	532	1111	1291	9376	73480	24785	2440	1180	584	394	159	AC FT

## WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 - E AND \*

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE MT	MO	DAY	DISCHARGE	GAGE MT	MO	DAY	ACRE FEET
106.1	546	13.26	03	22	0.9	2.56	09	14	115876

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CF5	GAGE MT	DATE				FROM	TO	
38 31 02	121 45 21	NE 28 BN 2E	14,700	16.48	1-24-1970	OCT 1957-DATE	OCT 1957-DATE		1957		24.57 USGS

Station located at low water bridge, 0.5 mile below Interstate 80 bridge, 2.3 miles southwest of Davis. Tributary to Yolo Bypass. Treatment plant at the University of California at Davis discharges into the channel 100 feet upstream from gage. There is little or no flow 1,000 feet upstream from station during periods of heavy upstream diversion.

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	19	5.2	5.2	144	67	414	3,460	76	1.0	3.0	1.8	1.0	1
2	14	5.2	5.5	107	274	307	3,080	31	1.0	3.0	1.6	1.0	2
3	23	5.2	20	67	1,230	242	3,030	5.8	.9	3.0	1.6	1.0	3
4	31	5.2	60	27	1,880	222	2,990	4.7	3.2	2.9	1.6	1.0	4
5	35	5.2	240	9.7	2,010	216	2,960	5.8	2.4	2.9	1.4	1.0	5
6	29	5.1	482	6.2	1,640	216	2,870	7.5	7.0	2.9	1.4	1.0	6
7	21	5.1	642	7.2	1,180	232	2,900	7.0	60	19	1.4	1.0	7
8	16	5.1	488	5.3	1,210	1,310	2,960	6.6	43	3.2	1.2	1.0	8
9	13	5.1	258	6.2	2,380	2,950	2,900	5.1	36	2.5	1.2	1.0	9
10	11	5.1	180	3.2	2,900	2,590	2,550	2.4	24	2.7	1.2	1.0	10
11	11	5.1	130	3.4	3,720	2,580	1,580	23	3.1	3.5	1.0	12	11
12	9.5	5.1	96	3.4	3,130	3,130	1,090	82	3.1	2.9	1.0	21	12
13	8.8	5.1	70	3.4	3,990	3,160	825	272	3.2	2.4	0.1	134	13
14	8.8	5.1	52	2.7	8,470	3,040	642	354	3.2	2.5	0.1	196	14
15	8.6	5.1	37	2.0	18,000	2,770	530	416	3.3	2.6	0.1	191	15
16	9.5	5.1	28	1.7	22,100	2,260	380	499	3.3	2.7	1.0	191	16
17	9.1	5.1	21	1.4	14,300	2,140	336	642	3.4	3.2	1.0	193	17
18	6.2	5.2	14	1.2	6,060	2,220	439	728	3.4	2.7	1.0	179	18
19	5.4	5.2	13	1.2	2,880	3,900	939	723	3.5	2.4	1.0	176	19
20	5.0	5.2	12	3.0	1,920	3,970	1,030	819	3.5	2.0	1.1	193	20
21	5.0	5.2	9.7	1.1	1,590	5,310	531	993	3.6	2.3	1.1	191	21
22	5.0	20	11	2.5	1,250	9,520	211	957	3.6	2.4	1.1	200	22
23	5.0	15	10	7.2	1,020	24,100	156	645	3.7	2.6	1.2	191	23
24	5.0	10	6.2	12	1,090	28,200	151	267	3.7	3.4	1.4	176	24
25	5.0	6.6	5.3	12	644	30,800	132	36	3.8	3.2	1.2	179	25
26	5.1	5.0	4.9	10	550	32,000	77	1.2	3.8	3.0	1.0	183	26
27	5.2	5.0	7.2	12	502	28,200	56	2.4	3.4	2.7	1.0	174	27
28	5.4	5.0	38	2.5	468	24,400	54	2.9	3.2	2.4	1.0	158	28
29	7.6	5.0	117	19	17,500	53	1.7	3.0	2.2	1.0	1.0	142	29
30	9.8	5.0	145	32	10,300	44	1.0	3.0	2.0	1.0	1.0	101	30
31	5.2		169	22	5,410		1.0		1.8	1.0			31
MEAN	11.5	6.1	109	17.4	3,802	8,181	1,300	246	8.2	3.2	1.1	106	MEAN
MAX.	35	20	642	144	22,100	32,000	3,460	993	60	19	1.8	200	MAX
MIN.	5.0	5.0	4.9	1.1	67	216	44	1.0	0.9	1.8	0.1	1.0	MIN.
AC. FT.	709	366	6,700	1,070	211,200	503,000	77,350	15,110	489	198	67	6,330	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW

# - E AND \*

MEAN
DISCHARGE
1,136

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME
36,500	25.70	3	25	1530

MINIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME

TOTAL
ACRE FEET
822,600

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1.4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-8-1942	MAR 30-OCT 38 # JAN 1939-DATE	1940-1941# 1941-DATE	1930 1941 1941	1941	0.73 0.00 -3.41	USED USED USCGS
Station located just above the Sacramento-Woodland Railroad bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.											
# - Irrigation season only. # - Flood season only.											

TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO.	STATION NAME	
1975		807020	SAN JOAQUIN RIVER NEAR VERNALIS	

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3,760	4,710	3,860	3,580	4,290	3,830	6,420	2,510	4,980	2,030	1,430	1,930	1
2	3,830	4,830	4,000	3,480	4,250	3,750	5,800	2,360	5,860	1,930	1,400	1,790 *	2
3	3,560	5,140	4,200	2,850	3,540 *	3,850	5,060	2,330	6,550	1,860	1,430	1,770	3
4	3,400	5,240	4,650	3,680	3,610	3,580	4,450	3,090	7,350	1,930	1,450	1,710	4
5	3,330	5,180	4,640 *	3,890	4,790	3,750	4,100	3,660	7,570	1,970	1,420	1,890	5
6	3,120	4,580	4,740	3,550	6,080	3,930	3,990	3,690	7,070	2,040	1,350	2,130	6
7	2,990	3,860	5,010	2,920	6,910	4,270	4,140	3,910	7,350	2,030	1,400	2,380	7
8	2,970	3,680	5,070	3,770	7,250	4,640	4,320	4,060	7,560	1,910	1,440	2,500	8
9	2,920 *	3,670	5,030	3,880 *	7,200	4,860	4,880	4,000	7,880	2,020	1,470	2,460	9
10	2,770	3,660	4,940	3,940	6,870	5,000	5,110	3,960	8,100	1,980	1,490	2,340	10
11	2,600	3,610	4,890	4,050	6,950	5,060	5,100	3,670	8,000	1,740	1,550	2,470	11
12	2,860	3,600 *	4,860	4,060	7,140	5,610	4,960	3,570	7,510	1,680	1,520	2,570	12
13	3,040	3,610	4,840	3,590	7,110	5,800	4,740	3,440	6,030	1,680	1,640	2,770	13
14	3,040	3,640	4,830	2,950	7,800	3,730	4,560	3,690	6,120	1,630	1,400	2,800	14
15	2,940	3,590	4,840	3,740	8,820	6,350	4,240	3,840	7,160	1,560	1,350	2,800	15
16	2,690	3,620	4,840	4,020	8,670	6,300	3,880	3,970	7,740	1,550	1,340	2,910	16
17	3,290	3,680	4,730	4,120	7,950	6,230	3,470	4,070	7,840	1,650	1,480	2,810	17
18	3,220	3,670	4,350	4,160	7,120	6,380	3,340	4,240	8,040	1,670	1,850	2,760	18
19	3,140	3,670	4,130	4,080	6,710	6,070	3,220	4,340	7,810	1,760	2,270	2,790	19
20	3,060	3,660	4,010	3,610	6,830	6,330	3,240	4,350	6,600	1,780	2,420	2,940	20
21	3,080	3,480	3,940	2,990	6,610	6,590	3,310	4,550	4,380	1,760	2,300	2,980	21
22	3,140	3,400	3,690	3,940	6,300	6,620	3,190	4,650	3,480	1,620	2,230	2,980	22
23	3,560	3,340	3,130	4,230	6,010	7,070	3,070	4,350	3,130	1,460	2,220	2,950	23
24	4,120	3,340	2,870	4,350	5,410	7,040	2,970	4,470	2,860	1,470	2,200	3,010	24
25	4,380	3,500	3,080	4,340	5,030	6,530	2,890	4,530	2,700	1,630	2,090	3,060	25
26	4,560	3,600	3,250	4,140	5,460	6,930	2,900	4,580	2,440	1,490	1,760	3,210	26
27	4,570	3,740	2,890	3,550	4,990	7,010	2,950	4,540	2,350	1,350	1,710	3,250	27
28	4,530	3,830	3,360	3,000	4,240	6,740	2,970	4,390	2,290	1,500	1,710	3,250	28
29	4,620	3,830	3,740	3,880	6,630	2,810	4,580	2,260	1,440	1,640	3,210	29	29
30	4,770	3,760	3,470	4,150	6,820	2,630	4,630	2,240	1,460	1,620	3,150	30	30
31	4,820		2,930	4,270	6,920		4,700		1,490	1,740		21	31
MEAN	3,497	3,891	4,162	3,766	6,212	5,685	3,957	3,972	5,708	1,718	1,680	2,652	MEAN
MAX.	4,820	5,240	5,070	4,350	8,820	7,070	6,420	4,700	8,100	2,040	2,420	3,250	MAX.
MIN.	2,600	3,340	2,870	2,850	3,610	3,580	2,630	2,330	2,240	1,440	1,340	1,710	MIN.
AC. FT.	215,000	231,500	255,900	231,600	345,000	349,500	235,500	244,200	339,600	105,700	103,300	157,800	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# - E AND \*

MEAN		MAXIMUM				MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	ACRE FEET	
3,888		9,080	18.60	2	15	1,340	10.24	8	16	2,815,000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T. & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM		
			CF5	GAGE HT	DATE			FROM	TO				
37 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 8 JAN 24-FEB 25 JUN 25-OCT 28 8 MAY 29-DATE	JUL 22-DEC 23 8 JAN 24-FEB 25 JUN 25-OCT 28 8 MAY 29-DATE	1931	1959	5.06	USCGS		
										0.00	USCGS		
										3.3	USED		

Station located on left bank 12 feet downstream from Durham Ferry highway bridge, 2.6 miles downstream from Stanislaus River, and 3.2 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,340 square miles.

8 - Irrigation season only.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	114	66	1.4	1.1	3.2	25	110	63	74	75	34	36	1
2	110	40	4.6	0.9	9.2	24	100	62	65	65	55	59	2
3	117	22	60	0.6	16	22	98	51	53	57	65	59	3
4	134	15	210	1.0	16	27	47	65	59	55	59	48	4
5	96	10	45	0.7	85	45	107	62	67	55	40	85	5
6	109	7.4	43	3.0	138	51	110	62	62	59	31	86	6
7	154	6.8	33	4.7	106	44	116	70	92	81	25	94	7
8	140	6.2	26	4.6	167	359	145	58	92	85	39	104	8
9	120	4.6	21	5.5	286	507	125	51	77	84	52	117	9
10	117	3.3	20	3.4	445	588	108	56	72	68	38	131	10
11	110	2.5	17	4.4	507	524	92	54	61	70	53	134	11
12	131	1.1	15	3.2	538	231	84	59	33	54	50	154	12
13	87	0.8	11	5.7	644	157	93	50	41	65	51	160	13
14	90	0.8	4.2	14	1,070	782	67	69	54	67	160	14	14
15	86	1.0	6.5	12	611	644	46	70	72	70	74	160	15
16	77	3.4	5.2	11	430	493	85	84	75	65	69	141	16
17	61	1.5	5.4	8.2	346	702	83	79	79	99	104	154	17
18	74	0.1	4.4	6.9	136	1,070	109	81	109	88	92	129	18
19	81	0.1	2.9	4.6	89	388	86	96	96	91	94	117	19
20	74	0.1	2.0	6.5	77	194	84	63	101	79	84	115	20
21	69	0.1	2.0	19	78	147	77	86	101	46	50	120	21
22	61	7.2	3.2	17	62	758	57	88	102	35	39	107	22
23	63	22	2.0	13	61	1,480	80	79	84	29	33	107	23
24	80	9.7	1.7	8.5	47	853	96	59	86	48	51	125	24
25	80	5.9	2.0	7.0	39	793	107	91	84	55	59	112	25
26	80	3.4	1.5	5.3	34	1,530	124	95	96	38	43	120	26
27	58	3.0	1.2	4.9	31	722	99	104	99	53	57	117	27
28	28	3.3	1.0	4.1	27	408	90	122	104	43	48	124	28
29	58	2.8	1.1	2.8	27	278	69	107	63	45	50	125	29
30	37	1.7	1.3	2.6	194	194	63	85	53	51	55	107	30
31	28		1.1	2.2	144	144		74		59	63		31
MEAN	86.7	8.4	19.7	6.1	221	457	93.6	74.0	77.4	62.0	56.3	113	MEAN
MAX	154	66.0	210	19.0	1,070	1,530	145	122	109	99.0	104	160	MAX
MIN	28.0	0.1	1.0	0.6	3.2	22.0	48.0	50.0	33.0	29.0	25.0	38.0	MIN
AC FT.	5332	499	1209	374	12275	28134	5572	4552	4604	3810	3459	6762	AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

- E AND \*

MEAN
DISCHARGE 105.6

MAXIMUM			
DISCHARGE	1680	GAGE HT	8.49
		MO	03
		DAY	26
		TIME	0445

MINIMUM			
DISCHARGE	0.0	GAGE HT	2.82
		MO	11
		DAY	18
		TIME	2330

TOTAL
ACRE FEET 76580

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF LOCAL
			CFS	GAGE HT	DATE			FROM	TO		
37 52 52	121 14 53	NE 6 1S 7E	3,390	6.31	12-9-1950	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY 50 OCT 50-DATE	1950	1955	0.00 4.00	LOCAL LOCAL

Station located 125 feet below Airport Way bridge, 1.5 miles east of French Camp. Prior to November 1968, station was located on Airport Way bridge, 1.5 miles east of French Camp. During periods when backwater from a temporary diversion dam affects the stage-discharge relationship, a supplementary water stage recorder, located 0.5 mile downstream on the bypass, is used for computations. Tributary to San Joaquin River. Maximum discharge listed at site and datum then in use.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.8	2.4	0.0	0.0	0.2	0.1	0.9	3.1	11	11	14	17	1
2	9.2*	2.2	0.0*	0.0*	2.3	0.0	0.4	3.2	9.5	9.9	12	15	2
3	12	2.6	19.0*	0.0	2.6	0.0	0.4	4.7	9.9	8.9	11	15	3
4	9.7	1.1	17	0.0	0.8	0.0	0.3	3.3	9.9	10	9.7	15	4
5	6.6	1.1	8.6	0.0	4.4	0.4	0.6	5.9	10.0	9.5	9.6	15	5
6	4.4	0.6	14	0.1	16	0.2	0.2	4.2	11	8.8	11	14	6
7	1.3	0.3	9.2	0.1	1.3	0.3	0.0	8.2	12	8.9	13	14	7
8	2.4	0.1	4.6	0.3	43	90	0.0	11	12	10	16	16	8
9	2.8	0.0	2.0	0.1	85	95	0.0	14	9.6	9.3	18	15	9
10	3.9	0.0	1.2	0.0	111	38	0.0	12	11	9.4	18	14	10
11	3.7	0.0	1.7	0.0	73	28	0.0	9.1	11	8.3	15	15	11
12	7.4	0.0	0.3	0.0	43	20	0.0	5.0	15	9.7	16.0	17	12
13	6.3	0.0	0.2	0.0*	155	15	0.0	4.6	14	12	17	18	13
14	6.8	0.0	0.1	0.0	146	210	0.0	9.8	10	13	17	18	14
15	4.0	0.0	0.0	0.0	33	48	0.0	13	11	14	19	19	15
16	5.8	0.0	0.0	0.0	13	85	0.0	11	10	15	18	18	16
17	7.0	0.0	0.0	0.0	7.1	58	0.0	12	9.4	16	13	13	17
18	7.8	0.0	0.0	0.0	5.4	19	0.0	1.3	7.9	18	17	13.0	18
19	8.5	0.0	0.0	0.0	5.0	9.3	0.0	13	8.5	14	12	12	19
20	9.0	0.0	0.0	0.0	4.0	6.0	0.3	13	9.8	15	6.8	12	20
21	4.1	0.0	0.0	0.0	1.9	5.4	0.9	12	12	15.0	6.3	13	21
22	4.4	0.0	0.0	0.0	1.4	139	0.7	11	12	14	7.7	12	22
23	5.0	0.0	0.0	0.0	1.0	69	1.1*	9.9	10	13	9.4	9.0	23
24	4.3	0.0	0.0	0.0	0.6	26	1.1	11	7.4	12	10	8.4	24
25	4.7	0.0	0.0	0.0	0.5	27	1.4	11	6.7	10	10	8.4	25
26	4.2	0.0	0.0	0.0	0.4	64	1.8	13	7.6	9.7	9.2	10	26
27	0.5	0.0	0.0	0.0	0.3	20	1.9	15	7.2	9.8	10	13	27
28	6.4	0.0	0.0	0.0	0.2	11	3.2	13	8.6	10	15	11	28
29	3.9	0.0	0.0	0.0	0.0	4.8	4.3	14	11	11	17	9.8	29
30	3.0	0.0	0.0	0.0	0.0	2.4	2.9	12	9.8	15	16	7.4	30
31	3.4	0.0	0.0	0.0	0.0	2.3	13	13	17	16	16	8.0	31
MEAN	5.7	0.3	2.5	0.0	26.8	35.3	0.8	11.0	10.2	11.8	13.3	13.5	MEAN
MAX.	12.0	2.6	19.0	0.3	155	210	4.3	15.0	18.0	19.0	19.0	19.0	MAX
MIN.	1.3	0.0	0.0	0.0	0.2	0.0	0.0	1.1	6.7	8.3	6.3	7.4	MIN
AC. FT.	353	20	153	1	1486	2168	45	613	605	728	819	807	AC. FT.

E - ESTIMATED		MEAN		WATER YEAR SUMMARY				MINIMUM				TOTAL	
NR - NO RECORD		DISCHARGE		DISCHARGE		DATE		GAGE HT		DATE		ACRE FEET	
* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY		16.8		454		5.35		0.0		1.77		7797	
- - E AND *													

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.O.B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE				FROM	TO		
37 55 30	121 15 02	NE 35 1N 7E	782	6.51	1-16-1973	JAN 50-APR 50	JAN 50-APR 50		1950	1953	0.00	LOCAL
						OCT 50-APR 51	OCT 50-APR 51		1953	1957	0.00	LOCAL
						OCT 51-OCT 70	OCT 51-OCT 70		1957	1965	0.00	LOCAL
						OCT 71-DATE	OCT 71-DATE		1965		0.00	LOCAL
Station located 35 feet below B Street Bridge, immediately south of Stockton. Prior to November 10, 1965, station located at Laurel Avenue, 0.2 mile upstream from present location. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approximately 2 miles east of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity culverts which divert to Littlejohn Creek.												

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO	STATION NAME
1975	802520	CALAVERAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.0	1.0	14	0.1				NR	38	23	25	18	1
2	13	1.2	15	NR				NR	27	22	24	19	2
3	10	1.3	17	NR				NR	37	9.3	18	28	3
4	20	1.3	14	NR				NR	44	17	20	26	4
5	12	1.3	12	NR				NR	35	28	13	32	5
6	13	2.1	10	NR				15	18	25	12	22	6
7	8.0	3.6	8.4	NR				1.2	25	13	32	23	7
8	4.3	12	8.0	NR				6.2	32	24	51	24	8
9	21	14	7.5	NR				1.3	31	18	63	19	9
10	18	16	7.2	NR	N	N	N	34	13	18	74	16	10
11	13	17	6.8	NR	O	O	O	57	9.7	31	52	11	11
12	5.4	17	6.4	NR				55	8.9	21	26	17	12
13	3.0	17	6.3	NR				46	12	19	15	17	13
14	2.3	17	5.8	NR				8.5	32	11	10	23	14
15	2.0	17	4.7	NR	R	R	R	4.3	26	12	27	16	15
16	1.8	17	4.0	NR	E	E	E	23	25	17	27	11	16
17	7.7	17	3.8	NR				27	16	33	35	19	17
18	15	16	3.5	NR	C	C	C	18	8.7	38	39	4.9	18
19	5.4	16	3.1	NR	O	O	O	17	6.5	32	39	1.7	19
20	0.5	17	1.9	NR	O	O	O	2	14	21	31	1.3	20
21	0.0	19	1.8	NR	R	R	R	17	24	14	28	1.4	21
22	1.8	18	1.5	NR				3.0	30	7.8	25	2.9	22
23	0.8	17	1.5	NR	D	D	D	1.6	24	14	26	3.4	23
24	0.0	17	1.5	NR				1.5	17	16	27	3.2	24
25	6.1	17	7.5	NR				36	20	31	20	5.5	25
26	1.3	17	1.4	NR				41	21	27	20	6.5	26
27	0.0	17	1.4	NR				44	19	22	17	6.7	27
28	0.3	15	1.5	NR				23	14	26	8.1	11	28
29	0.0*	14	1.0	NR				18	21	23	13	9.5	29
20	0.0	14	0.9	NR				23	27	18	49	8.1	30
21	0.0		0.9	NR				19		22	52		31
MEAN	6.4	12.9	5.4	NR	NR	NR	NR	NR	22.5	21.1	29.6	13.6	MEAN
MAX.	21.0	19.0	17.0	NR	NR	NR	NR	NR	44.0	38.0	74.0	32.0	MAX.
MIN.	0.0	1.0	0.9	NR	NR	NR	NR	NR	6.5	7.8	8.1	1.3	MIN.
AC FT.	394	767	346	NR	NR	NR	NR	NR	1340	1295	1821	807	AC FT.

## WATER YEAR SUMMARY

E — ESTIMATED  
NR — NO RECORD  
\* — DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
— E AND \*

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO.	DAY	TIME	DISCHARGE	DAGE HT	MO	DAY	TIME	ACRE FEET	
NR		NR					NR					NR	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE NT	DATE			FROM	TO		
38 01 14	121 13 45	SE 17 2N 7E	760 E	12.61	1-6-1965	DEC 1948-DATE	DEC 1948-DATE	1948	1949	0.00	LOCAL
								1949	1950	0.00	LOCAL
								1950	1952	0.00	LOCAL
								1952	1955	2.00	LOCAL
								1955	1959	0.00	LOCAL
								1959	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located below Solari Road bridge, 5 miles northeast of Stockton. Prior to October 28, 1965, station located 0.5 mile above U. S. Highway 99 bridge, 1.5 miles downstream from present location. Flows are regulated by diversion dam at Bellota operated by Stockton East San Joaquin Water Conservation District. Maximum discharge listed at site and datum then in use.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	802560	MORMON SLOUGH AT BELL074

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	26	429	98	30	21	69						1
2	NR	26	423	60	63	26	63						2
3	NR	26	459	40	92	23	65						3
4	NR	26	457	33	77	22	65						4
5	NR	49	443	30	96	24	74						5
6	NR	134	442	28	73	30	86						6
7	NR	197	442	29	66	89	78						7
8	NR	289	436	38	75	1,260	76						8
9	NR	331	433	43	196	1,220	85						9
10	NR	345	433	39	257	1,050	85	N	N	N	N	N	10
11	NR	350	401	43	162	1,040	83						11
12	NR	350	416	40	89	1,010	83	D	D	D	D	D	12
13	NR	350	428	38	566	1,380	82						13
14	NR	350	433	35	321	1,680	74						14
15	NR	353	433	33	126	1,490	70	R	R	R	R	R	15
16	NR	347	433	32	83	2,070	68	E	E	E	E	E	16
17	NR	346	436	29	65	2,060	NR						17
18	NR	349	467	28	30	2,000	NR	C	C	C	C	C	18
19	NR	354	415	28	6,0	1,980	NR						19
20	NR	440	425	28	22	1,930	NR	D	D	D	D	D	20
21	NR	437	429	28	52	1,950	NR	R	R	R	R	R	21
22	NR	433	434	29	370	3,720	NR						22
23	NR	429	442	30	448	4,590	NR	D	D	D	D	D	23
24	NR	429	438	30	432	4,130	NR						24
25	84	426	433	30	199	5,010	NR						25
26	16	425	433	29	175	6,240	NR						26
27	20	435	433	28	81	5,630	NR						27
28	25	429	438	28	42	4,230	NR						28
29	23	429	443	28		1,080	NR						29
30	21	429	423	28		151	NR						30
31	22		187	28		90							31
MEAN	NR	311	425	35,1	153	1,846	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR	440	467	98,0	566	6,240	NR	NR	NR	NR	NR	NR	MAX.
MIN.	NR	26,0	187	28,0	6,0	21,0	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	NR	18524	26186	2158	8517	113506	NR	NR	NR	NR	NR	NR	AC. FT.

## WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
38 03 10	121 00 37	SW 5 2N 9E				DEC 1948-DATE	DEC 1948-DATE	1948	1952	0.00	LOCAL
									1952	0.00	LOCAL

Station located 0.2 mile above Farmington-Bellota Highway bridge, 0.2 mile east of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream, which control diversion of water between the Calaveras River and Mormon Slough. This is flow from Calaveras River which is returned to the river via Stockton Diverting Canal. Flows are computed for the period when boards are not placed across the diversion dam. Drainage area is 470 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR													STATION NO.	STATION NAME
1975													802580	STOCKTON DIVERTING CANAL AT STOCKTON
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1	1.9	20	455	117	10	11	53	0.3	7.6	5.0	3.7	14	1	
2	1.9*	27	453	44	52	7.6	30	4.6	8.0	5.1	3.6	6.7	2	
3	1.6	17	511	14	201	8.2	41	5.4	8.2	5.6	3.8	5.9	3	
4	1.6	12	569	8.7	100	8.9	54	5.4	9.3	5.9	2.5	5.8	4	
5	1.6	12	470	7.5	168	8.8	46	5.3	11 *	5.5	5.6	5.5	5	
6	2.2	144	450	7.9	95	8.6	79	4.7	8.5	5.9	22	14	6	
7	44	322	447	7.3	54 *	11	71	4.1*	8.9	15	7.6	9.6	7	
8	51	436	446	8.6	191	1.030	61	3.8	9.4	6.1	9.0	7.1	8	
9	46	493	451	12	301	1.380	70	3.7	9.0	5.5	4.4	6.6	9	
10	47	510	453	9.7	510	1.120	65	3.2	8.8	4.9	9.6	8.9	10	
11	31	507	440	12	384	1.140	48	4.5	8.7	5.2	21	8.4	11	
12	10	500	413	21	184	1.100	40	9.9	8.9	9.2	4.2*	11	12	
13	1.9	491	435	22	695	1.260 *	35	8.4	11	19	3.9	9.0	13	
14	0.9	491	443	8.8	724	2.120	31	16	10	24	10	8.1	14	
15	0.7	481	451	6.1	234	1.610	23	17	9.6	9.3	9.3	12	15	
16	1.5	477	451	6.1	116	2.110	23	9.3	9.2	8.8	5.2	12	16	
17	2.0	469	470	5.9	63	2.060	16	12	8.2	8.6	NR	21	17	
18	1.7	462	481	5.7	38	1.910	4.8	14	13	8.6	NR	11 *	18	
19	1.6	460	483	5.5	8.4	1.850	2.9	10	12	8.4	NR	6.9	19	
20	0.8	530	458	5.7	3.9	1.830	1.9	9.0	13	9.1	NR	6.4	20	
21	0.0	535	474	5.6	39	1.880	0.7	7.5	9.2	9.0*	NR	5.8	21	
22	0.0	523	488	5.9	288	3.500	0.0	1 *	9.0	12	NR	6.0	22	
23	13	507	482	6.2	494	4.790	0.0	6.2	11	7.1	NR	5.9	23	
24	18	496	479	6.4	526	3.940 *	0.0	5.4	8.4	6.5	NR	5.6	24	
25	6.0	492	482	7.0	286	4.720 *	0.0	5.3	7.4	6.9	NR	6.0	25	
26	3.8	486	483	6.9	214	6.210	0.0	5.3	5.4	5.6	NR	6.1	26	
27	11	489	484	6.5	121	5.450 *	0.0	13	5.0	4.8	4.1	5.9	27	
28	18	474	494	7.3	31	4.170	0.0	12	5.0	4.9	21	5.7	28	
29	32	467	508	8.0		1.520 *	0.0	8.4	5.1	5.3	13	5.9	29	
30	20 *	460	513	7.9		268 *	0.0	5.8	5.2	4.3	4.4	6.1	30	
31	15		291	9.1		97 *		7.8		3.4	3.9		31	
MEAN	12.5	393	464	13.3	219	1.846	26.6	7.8	8.8	7.9	NR	8.3	MEAN	
MAX	51.0	535	569	117	724	6.210	79.0	17.0	13.0	24.0	NR	21.0	MAX	
MIN	0.0	12.0	291	5.5	3.9	7.6	0.0	0.3	5.0	3.4	NR	5.5	MIN	
AC. FT.	7.9	23385	24586	818	14161	113513	1583	477	522	485	NR	494	AC FT.	

WATER YEAR SUMMARY

E - ESTIMATED	MEAN DISCHARGE NR	DISCHARGE 6,230	MAXIMUM GAGE HT 12.02	MO 3	DAY 26	TIME 0015	DISCHARGE 0.0	MINIMUM GAGE HT 2.64	MO 10	DAY 21	TIME 2000	TOTAL ACRE FEET NR
NR - NO RECORD												
* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY												
= - E AND *												

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
37 59 12	121 15 30	SE 42 2N 6E	11,400 E	17.10 E	4-4-1958 E	JAN 1944-DATE	JAN 1944-DATE	1954		0.00	LOCAL
Station located 60 feet below Cherokee Lane Bridge crossing over Stockton Diverting Canal. Prior to June 12, 1969, station located 200 feet upstream from U. S. Highway 99E. This water, diverted from the Calaveras River at the head of Mormon Slough, returns to the river via Stockton Diverting Canal into the Sacramento-San Joaquin Delta. For periods of no record, inflows into the Delta are estimated from the station, "Mormon Slough at Bellota".											

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	002007	MOSHEN SLOUGH NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	10	0.0	0.0	1.5	0.0	3.4	23	10	20	11	43	1
2	19	0.0	1.2	0.0	1.3	0.0	3.6	18	10	19	10	48	2
3	16	0.0	3.1	0.0	0.6	0.0	2.9	16	8.4	16	14	37	3
4	17	0.0	0.5	0.0	0.4	0.0	4.2	23	13	19	16	29	4
5	17	0.0	0.7	0.0	0.1	0.2	9.3	29	12	16	14	16	5
6	14	0.0	0.2	0.6	0.0	0.1	7.6	19	13	20	11	12	6
7	17	0.1	0.0	0.0	0.4	1.3	5.2	17	14	14	8.1	11	7
8	32	0.0	0.0	0.4	0.7	1.5	9.0	18	14	13	11	10	7
9	36	0.0	0.0	0.0	16	0.1	7.3	18	17	12	14	11	9
10	29	0.0	0.0	0.0	16	0.5	2.0	18	11	9.7	12	34	10
11	24	0.0	0.0	0.0	4.6	0.0	1.3	25	13	9.9	10	34	11
12	18	0.0	0.0	0.0	1.1	0.0	1.2	19	14	7.8	3.9	33	12
13	20	0.0	0.0	0.0	11	3.6	2.3	10	12	9.3	6.6	41	13
14	26	0.0	0.0	0.0	15	9.1	3.7	9.3	11	9.6	9.9	40	14
15	24	0.0	0.0	0.0	2.1	5.2	3.1	9.4	12	7.6	19	65	15
16	21	0.0	0.0	0.0	0.2	0.5	13	7.2	13	9.6	17	81	16
17	27	0.0	0.0	0.0	0.0	1.3	17	6.2	7.9	12	18	71	17
18	32	0.0	0.0	0.0	0.0	0.5	18	7.5	4.6	7.4	45	79	18
19	23	0.0	0.0	0.0	0.2	0.2	19	11	5.0	8.2	61	67	19
20	17	0.0	0.0	0.0	0.0	0.3	18	20	9.5	13	42	74	20
21	23	0.2	0.0	0.0	0.0	4.2	24	25	11	13	50	45	21
22	21	0.0	0.0	0.0	0.0	11	19	32	11	4.4	26	55	22
23	20	0.0	0.0	0.0	0.0	8.2	16	28	14	5.4	23	33	23
24	22	0.0	0.0	0.0	0.0	4.4	11	16	17	5.8	28	57	24
25	19	0.0	0.0	0.0	0.0	5.3	7.0	12	24	4.8	31	63	25
26	14	0.0	0.0	0.0	0.0	2.6	12	12	21	5.9	16	55	26
27	11	0.0	0.2	0.0	0.0	1.6	19	11	16	9.1	23	58	27
28	13	0.0	0.5	0.1	0.0	3.2	25	7.9	15	9.4	23	62	28
29	15	0.0	0.0	0.0	0.0	3.5	19	9.5	15	9.5	24	82	29
30	14	0.0	0.0	0.0	0.0	2.8	15	14	16	9.2	25	55	30
31	13		0.0	0.5		2.8		8.2		9.3	42		31
MEAN	20.4	0.4	0.2	0.1	2.5	2.4	10.6	15.7	12.8	10.9	21.4	46.7	MEAN
MAX.	36.0	10.0	3.1	0.6	16.0	11.0	25.0	32.0	24.0	20.0	61.0	82.0	MAX.
MIN.	11.0	0.0	0.0	0.0	0.0	0.0	1.2	6.2	4.6	4.4	3.9	10.0	MIN.
AC FT.	1252	22	13	3	141	147	631	968	762	672	1318	2779	AC FT.

## WATER YEAR SUMMARY

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 — E AND \*

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE	DISCHARGE	DISCHARGE	ACR. FEET
12.0	94	0.0	8708
	GAGE HT. 3.21	GAGE HT. 1.71	
	MO DAY TIME 09 29 0945	MO DAY TIME 11 03 2315	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T. & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE					
38 01 42	121 17 40	SE 10 2N 6E	94	3.21	9-29-75	OCT 73 - DATE	FEB 72 - DATE	1972	0.00	LOCAL

Station located 200 feet below West Lane Bridge, immediately northeast of Stockton. Tributary to San Joaquin River. Floodflows are diverted to Bear Creek six miles upstream from station.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

DAILY MEAN DISCHARGE													
(IN CUBIC FEET PER SECOND)													
WATER YEAR		STATION NO.		STATION NAME									
1975		602010		BEAR CREEK NEAR LODI									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	8.8	0.0	0.6	NR	1.8	14					NR	1
2	16	2.3	0.0	0.4	NR	6.4	9.4					NR	2
3	5.0*	1.0	12	0.2	33 *	6.6	8.0					NR	3
4	5.5	0.4	27 *	0.2	24 *	5.4*	8.1					NR	4
5	1.1	0.1	7.2	0.1	30	5.7	22						5
6	0.8	0.0	1.5	0.3	8.6	9.6	48					29	6
7	0.5	0.0	0.4	0.9	2.1	13 *	44					22	7
8	1.2	0.1	0.1	1.0	15	57	35					6.0	8
9	1.0	0.1	0.0	2.0	1.100	150	15					51	9
10	3.7	0.0	0.1	1.6	533 *	49	9.9	N	N	N	N	45	10
11	6.3	0.0	0.0	1.1	160	59	7.5	O	O	O	O	41	11
12	6.3	0.0	0.0	0.6	57	32	7.2					59	12
13	5.1	0.0	0.0	0.3	797	196	9.4					33	13
14	5.4	0.0	0.0	0.2	331 *	685 *	7.1					44	14
15	1.3	0.0	0.0	0.4	83	144	5.7	R	R	R	R	13	15
16	0.4	0.0	0.0	0.3	36	229	4.0	E	E	E	E	16	16
17	0.3	0.1	0.0	0.1	17	110	3.5					16	17
18	0.3	0.0	0.0	0.0	9.7	38	NR	C	C	C	C	7.6	18
19	0.2	0.0	0.0	0.0	7.0	20	NR					3.6	19
20	0.2	0.0	0.1	0.0	9.3	13	NR	O	O	O	O	3.8	20
21	12	0.0	0.0	0.0	11 *	15	NR	R	R	R	R	0.9	21
22	4.9	0.0	0.1	NR	6.3	444	NR					6.7	22
23	1.7	0.0	0.0	NR	4.0	156	NR	D	D	D	D	18	23
24	4.7	0.0	0.2	NR	3.0	61	NR					21	24
25	0.9	0.0	0.3	NR	2.4	224	NR					20	25
26	0.4	0.0	0.4	NR	2.0	139	NR					13	26
27	0.2	0.0	0.4	NR	1.6	41	NR					15	27
28	0.6	0.0	0.8*	NR	1.4	21	NR					13	28
29	0.4	0.0	0.4	NR		12	NR					17	29
30	0.6	0.0	1.0	NR		14	NR					15	30
31	0.5		1.2	NR		17							31
MEAN	3.4	0.4	1.7	NR	NR	96.0	NR	NR	NR	NR	NR	NR	MEAN
MAX	17.0	8.8	27.0	NR	NR	685	NR	NR	NR	NR	NR	NR	MAX
MIN.	0.2	0.0	0.0	NR	NR	1.8	NR	NR	NR	NR	NR	NR	MIN.
AC FT.	207	26	106	NR	NR	5900	NR	NR	NR	NR	NR	NR	AC FT.

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

WATER YEAR SUMMARY

MEAN DISCHARGE NR	MAXIMUM					MINIMUM					TOTAL	
	DISCHARGE NR	GAGE HT	MO	DAY	TIME	DISCHARGE NR	GAGE HT	MO	DAY	TIME	ACR6 FEET NR	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF. DATUM	
			CF5	GAGE HT	DATE						
38 04 27	121 12 40	SE 28 3N 7E	4,550	8.33	1-22-1967	DEC 1965-DATE	FEB 1965-DATE	1965	44.45	USCGS	
Station located 50 feet above Alpine Road bridge, 5.0 miles southeast of Lodi. Tributary to San Joaquin River via Disappointment Slough. Drainage area is 36.7 square miles. A removable board dam, 1/2 mile below gaging station, impounds flows during the irrigation season and discharges are not computed for this period. Monthly flows below the dam during its operation are estimated at less than 500 acre-feet.											

TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B02105	MOKELUPNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	558	762	311	156	72	78	898	1,040	724	557	389	551	1
2	570	686	316	156	75	77	755	1,050	723	420	375	522	2
3	545	653	351	117	59	76	825	1,050	720	424	387	517	3
4	531	652	223	97	49	77	832	1,060	719	432	381	476	4
5	526	649	177	97	41	79	858	1,060	718	433	380	470	5
6	535	551	170	99	33	78	851	1,070	716	439	386	477	6
7	543	541	168	96	38	83	843	1,020	720	437	372	480	7
8	538	537	168	95	36	82	847	738	723	415	364	488	8
9	615	459	169	90	82	79	853	695	731	410	383	514	9
10	595	439	169	89	168	95	854	689	705	400	389	535	10
11	585	434	168	88	86	82	858	697	698	392	403	570	11
12	589	429	168	88	68	76	861	694	669	387	391	557	12
13	595	384	165	88	90	93	864	690	646	409	391	559	13
14	596	366	166	88	106	89	863	675	459	419	405	564	14
15	601	361	167	87	85	69	877	684	444	399	411	596	15
16	619	360	167	87	88	169	1,150	824	580	396	401	576	16
17	643	359	167	87	86	84	1,230	862	1,020	396	406	567	17
18	674	359	167	87	86	319	1,230	867	1,160	402	483	548	18
19	656	358	167	87	86	757	1,240	865	1,170	409	480	542	19
20	652	358	166	87	83	796	1,240	860	1,150	421	502	533	20
21	665	367	165	87	80	821	1,240	865	974	423	496	545	21
22	667	363	165	86	79	712	1,240	1,070	922	425	488	560	22
23	648	360	166	76	76	649	1,170	1,120	916	409	507	606	23
24	669	368	167	67	76	650	1,150	1,060	914	402	505	639	24
25	708	359	167	70	78	803	1,160	1,060	915	418	505	630	25
26	656	357	168	70	78	895	1,160	1,050	915	411	477	626	26
27	655	341	170	68	77	1,410	1,170	1,040	907	417	474	649	27
28	696	333	178	69	78	1,600	1,170	1,020	603	425	474	655	28
29	744	331	159	67		1,220	1,150	960	576	413	471	674	29
30	1,060	318	157	65		1,090	1,070	734	580	407	479	675	30
31	880		156	69		1,080		724		398	494		31
MEAN	639	439	184	89	76.4	460	1,018	900	781	418	434	563	MEAN
MAX.	1,060	762	351	156	168	1,600	1,240	1,120	1,170	557	507	675	MAX.
MIN.	526	318	156	65	33	69	795	675	444	387	364	470	MIN.
AC. FT.	39,300	26,150	11,320	5,470	4,240	28,300	60,590	55,330	46,450	25,680	26,680	33,520	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# - E AND \*

MEAN DISCHARGE	DISCHARGE	MAXIMUM GAGE HT.	MO.	DAY	TIME	DISCHARGE	MINIMUM GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
501	1,630	13.05	3	28	0930						363,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE				FROM	TO		
38 09 31	121 18 09	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25 8 JAN 26-DATE			1924 1931	1931	18.9 14.9	USCGS USCGS
Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and power plants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.												
# - Irrigation season only.												



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

TABLE 8-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR		STATION NO.		STATION NAME									
1975		R21160		SUTTER CREEK NEAR SUTTER CREEK									
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	9.7	6.6	9.0	16	24	80	41	15	6.8	1.2	1.5	1
2	0.9*	6.3	6.6	8.5	132	23	73	39	15	6.0	1.0	1.4	2
3	1.0	5.1	30	8.4	82	21	68	44	15	5.9	1.0	1.1	3
4	1.1	4.7	56	9.1	113	20	69	44	14	5.9	1.0	0.9	4
5	1.3	4.4	24 *	10	86	24	96	40	14	5.7	1.1	0.8	5
6	1.4	4.4	15	42	64 *	32 *	98	37	14	5.0	1.0	0.7	6
7	1.4	5.1	12	58	52	200	95	34	13	5.0	1.0	0.5	7
8	1.3	12	11	123	54	408	94	33	13	4.4	0.8	0.4	8
9	1.5	7.8	9.6	62	339	167	101	31	12	4.2	0.6	0.5	9
10	1.7	6.2	9.0	37	275	117	101	30	11	4.1	0.6	0.5	10
11	1.7*	5.6	8.6	28	120	91	91	29	11 *	3.9	0.6	0.7	11
12	1.6	5.4	8.3	23	95	74	84	28	11	3.8	0.6	0.7	12
13	1.4	5.4	9.7	20	184 *	80	78	28	11	3.7	0.6	0.7	13
14	1.4	5.2	8.8	18	135	86	75	27	10	3.5	0.8	0.6	14
15	1.4	5.2	8.4	16 *	94	87	83	26	9.7	3.4	0.7	0.7	15
16	1.4	4.9	8.7	15	76	184	77	26	9.5	4.1	0.5	0.7	16
17	1.4	4.8	8.4	14	62	129	71	25	9.5	3.9	0.5	0.8	17
18	1.4	4.9	8.1	13	50	101	65	24	9.2	3.6	1.9*	0.7*	18
19	1.4	5.2	8.1	12	55	100	58	23	9.3	3.4	4.5	0.6	19
20	1.6	5.2	7.7	12	81	105	54	22	9.4	3.2	3.5	0.6	20
21	1.8	15	7.7	11	58	147	51	22	9.0	3.2	3.1	0.5	21
22	2.0	26	8.3	10	49	341	48	21	8.5	2.9*	2.8	0.4	22
23	2.1	11	8.1	9.9	43	194	46	20	8.2	2.6	2.3	0.5	23
24	2.3	8.5	7.6	9.9	38	187	62 *	20	9.0	2.3	1.8	0.8	24
25	2.5	8.6	7.6	9.5	34	850	80	20	9.4	2.1	1.4	0.7	25
26	2.4	8.4	7.6	9.5	31	324	64	19	8.4	1.9	1.1	0.4	26
27	2.5	7.7	8.2	9.9	27	202	53	18	7.9	1.7	1.3	0.1	27
28	16	7.3	15	9.4	26	151	48	14	7.7	1.7	1.5	0.0	28
29	19	7.0	13	9.3		121	44	17	7.2	1.5	1.5	0.0	29
30	6.3	6.7	11	9.3		104	43	16	6.9	1.2	1.6	0.4	30
31	6.8		9.5	9.4		91		16		1.2	1.5		31
MEAN	2.9	7.5	11.9	20.8	88.1	154	71.7	27.2	10.6	3.6	1.4	0.6	MEAN
MAX.	19.0	26.0	56.0	123	339	850	101	48.0	15.0	6.8	4.5	1.5	MAX
MIN.	0.9	4.4	6.6	8.4	16.0	20.0	43.0	16.0	6.9	1.2	0.5	0.0	MIN
AC FT.	180	444	730	1280	4891	9493	4264	1670	630	222	86	37	AC FT.

WATER YEAR SUMMARY													
MEAN		MAXIMUM						MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME		DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
33.1		1480	4.01	03	25	0645		0.0	0.49	09	28	1645	23928

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY.  
- E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFs	GAGE HT	DATE						
38 23 45	120 46 49	SE 5 6N 11E	5,770 E	6.27	1-31-1963	JAN 36-DEC 41 MAR 1960-DATE	JAN 36-DEC 41 MAR 1960-DATE	1936 1938	-4.00 0.00	LOCAL LOCAL	
Station located 0.4 mile below Volcano Road Bridge, 1.3 miles east of Sutter Creek. Tributary to Cosumnes River via Dry Creek. Drainage area is 48.1 square miles.											

TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	801520	DRY CREEK NEAR GALT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		7.9	2.8	7.0	12	102	264	111	11	0.0	0.0	0.0	1
2		7.2	2.5	6.4	272	102	234	99	13	0.0	0.0	0.0	2
3		4.1	16	5.3	323	91	213	96	14	0.0	0.0	0.0	3
4		1.8	66	5.2	325	83	206	114	14	0.0	0.0	0.0	4
5		0.2	76	5.2	342	86	461	105	12	0.0	0.0	0.0	5
6		0.0	39	7.1	202	160	697	95	11	2.3	0.0	0.0	6
7		0.0	25	67	168	146	564	89	6.3	6.8	0.0	0.0	7
8		0.0	19	138	198	1,580	422	88	5.1	9.0	0.0	0.0	8
9		3.1	16	211	2,840	1,030	384	81	3.2	4.4	0.0	0.2	9
10	N	6.9	13	100	3,810	562	331	76	4.6	2.1	0.0	4.0	10
11		3.3	11	62	997	417	289	73	2.4	1.7	0.0	11	11
12	O	2.0	10	44	519	310	258	69	0.0	0.1	0.0	4.6	12
13		2.3	9.1	37	2,190	415	234	65	0.0	0.0	0.0	3.0	12
14		3.8	10	32	1,650	1,030	218	53	0.0	0.0	0.0	2.0	14
15	F	8.2	10	28	668	646	217	51	0.0	0.0	0.0	2.3	15
16	L	1.3	9.0	24	425	1,090	213	48	0.0	0.0	0.0	0.5	16
17		0.1	8.1	21	314	809	196	43	0.0	0.0	0.0	0.0	17
18	O	0.0	7.1	20	250	521	175	38	0.0	0.0	0.0	0.0	18
19		0.0	5.5	18	223	388	161	34	0.0	0.0	5.2	0.0	19
20	W	0.0	5.3	16	389	381	153	34	0.0	0.0	4.0	0.0	20
21		0.0	5.6	13	282	340	145	31	0.0	0.0	4.3	0.0	31
22		0.0	4.4	11	213	2,050	134	31	0.0	0.0	1.0	0.0	32
23		16	4.5	10	185	1,160	124	32	0.0	0.0	1.6	0.0	23
24		13	3.0	9.3	168	833	128	30	0.0	0.0	0.0	0.0	24
25		7.9	1.2	8.6	146	2,400	217	31	0.0	0.0	0.0	0.0	25
26		6.5	0.0	8.8	131	2,030	183	31	0.0	0.0	0.0	0.0	26
27		4.8	0.0	8.3	122	987	149	34	7.0	0.0	4.3	0.0	27
28		4.2	0.1	7.7	108	661	129	26	1.0	0.0	7.1	0.0	28
29		3.3	13	7.2	494	120	18	18	0.7	0.0	4.5	0.0	29
30		2.7	17	6.8	396	119	14	14	0.0	0.0	3.9	1.8	30
31			12	6.4	327		10			0.0	1.4		31
MEAN	0.0	3.7	13.6	30.7	624	697	245	56.5	3.5	0.8	1.2	1.0	MEAN
MAX.	0.0	16	76	211	3,810	2,400	697	114	14	9.0	7.1	11	MAX.
MIN.	0.0	0.0	0.0	5.2	12	83	119	10	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	219	837	1,890	34,660	42,860	14,550	3,470	209	52	74	58	AC. FT.

WATER YEAR SUMMARY

E — ESTIMATED	MEAN	MAXIMUM	MINIMUM	TOTAL
NR — NO RECORD	DISCHARGE	GAGE HT. MO. DAY TIME	GAGE HT. MO. DAY TIME	ACRES FEET
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW	137	7,280 14.22 2 10 0200		98,880
# — E AND *				

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT					FROM	TO		
38 14 53	121 13 53	NE 32 5N 7E	24,000	15.28	4-3-1958	OCT 26-SEPT 33 OCT 44-DATE	OCT 26-SEPT 33 OCT 44-DATE		1944 1945	1945	55.83 52.83	USCGS USCGS
Station located below county road bridge, 4 miles east of Galt. Tributary to Mokelumne River. Records furnished by U. S. Geological Survey. Drainage area is 329 square miles.												

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	801580	DEER CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	1.5	5.3	22	9.4	29	11	0.3	0.0	0.0	0.0	1
2	0.0*	3.1	1.5	4.7	35.2	11	25	11	0.3	0.0	0.0	0.0*	2
3	0.0	2.6	6.4	4.7	165	9.3	24	10	0.4	0.0	0.0	0.0	3
4	0.0	2.1	25	4.7	323	8.5	26	14	0.3	0.0	0.0*	0.0	4
5	0.0	1.6	11 *	5.1	94	12	89	12	0.3	0.0	0.0	0.0	5
6	0.0	1.4	6.1	22	51 *	25	89	9.7	0.3	0.0	0.0	0.0	6
7	0.0	1.6	5.9	79	58	30 *	52	9.9	0.1	0.0	0.0	0.0	7
8	0.0	2.3	5.3	165	93	71	39	9.0	0.1	0.0	0.0	0.0	8
9	0.0	4.9	4.7	51	522	38	34	7.4	0.0	0.0	0.0	0.0	9
10	0.0	2.8	4.3	31	304	31 *	30	6.3	0.0	0.0	0.0	0.0	10
11	0.0	2.0	4.3	22	148	30	29	5.7	0.0	0.0	0.0	0.0	11
12	0.0	1.7	4.7	16	150	24	26	5.8	0.0	0.0	0.0	0.0	12
13	0.0	1.5	5.3	13	776 *	139	24	5.5	0.0	0.0	0.0	0.0	13
14	0.0	1.3	5.8	11	152 *	161	23	4.7	0.0	0.0	0.0	0.0	14
15	0.0	1.3	5.3	10 *	49	102	28	4.4	0.0	0.0	0.0	0.0	15
16	0.0	1.3	4.7	8.4	34	174	26	4.5	0.0	0.0	0.0	0.0	16
17	0.0	1.3	4.7	7.3	27	63	26	4.6	0.0	0.0	0.0	0.0	17
18	0.0	1.4	4.3	6.6	21	46	17	3.8	0.0	0.0*	0.0	0.0	18
19	0.0	1.5	4.3	6.4	49	39	15	3.2	0.0	0.0	0.0	0.0	19
20	0.0	1.7	4.3	6.3	72	40	14	2.8	0.0	0.0	0.0	0.0	20
21	0.0	3.8	4.3	6.4	32	175	14	2.7	0.0	0.0	0.0	0.0	21
22	0.0	25	4.3	6.4	23	329	13	2.4	0.0	0.0*	0.0	0.0	22
23	0.0	8.0	4.7	6.1	18	88	13	2.0	0.0	0.0	0.0	0.0	23
24	0.0	4.4	3.8	5.8	15	127	16	1.9	0.0	0.0	0.0	0.0	24
25	0.0	3.4	3.4	5.8	14	497	43	1.7	0.0	0.0	0.0	0.0	25
26	0.0	3.2	4.3	5.8	12	144	25	1.6	0.0	0.0	0.0	0.0	26
27	0.0	2.5	4.7	5.6	10	63	19	1.4	0.0	0.0	0.0	0.0	27
28	0.0	2.1	5.8	5.3	9.3	45	15	1.1	0.0	0.0	0.0	0.0	28
29	0.0*	1.9	6.4	5.1		38	13	0.8	0.0	0.0	0.0	0.0	29
30	0.0	1.8	5.8	4.8		34	12	0.5	0.0	0.0	0.0	0.0	30
31	0.0		5.3	5.5		31		0.4	0.0	0.0	0.0	0.0	31
MEAN	0.0	3.1	5.6	17.5	128	85.0	28.3	5.2	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	25.0	25.0	165	776	497	89.0	14.0	0.4	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	1.5	4.7	9.3	8.5	12.0	0.4	0.0	0.0	0.0	0.0	MIN.
AC FT.		186	341	1075	7131	5225	1682	321	4				AC FT.

## WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET
22.1	1340	9.45	02	13	1200	0.0	5.70	10	01	15966

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF FLOW MADE THIS DAY  
 = - END \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT.	DATE			FROM	TO		
38 33 06	121 06 30	NW 16 8N 8E	6,560 E	12.86	10-13-1962	NOV 1959-DATE	NOV 1959-DATE	1959		0.00	LOCAL
Station located 0.2 mile above Scott Road Bridge, 5.9 miles northeast of Sloughhouse. Tributary to Cosumnes River. Drainage area is 46.0 square miles.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	59	39	52	92	426	1,410	1,110	931	104	2.0	0.7	1
2	0.0	59	39	44	402	450	1,260	1,070	925	105	1.9	0.4	2
3	0.0	56	46	40	1,580	459	1,140	1,090	841	104	1.9	0.2	3
4	0.0	42	60	38	1,130	458	1,120	1,350	757	122	1.9	0.1	4
5	0.0	30	306	49	1,490	456	1,570	1,260	692	113	1.9	0.7	5
6	0.0	25	191	58	692	539	1,960	1,130	664	100	1.9	1.6	6
7	0.0	28	119	229	499	601	1,860	1,050	650	93	1.9	1.3	7
8	0.0	32	90	516	634	2,200	1,460	1,020	602	87	1.9	0.6	8
9	0.0	36	73	855	2,270	2,270	1,310	1,080	533	78	1.9	0.5	9
10	0.0	52	64	471	5,270	1,460	1,190	1,180	468	69	1.9	0.2	10
11	0.0	39	57	306	2,280	1,190	1,090	1,250	432	60	1.9	0.0	11
12	0.0	32	52	239	1,220	965	1,010	1,390	416	54	1.9	0.2	12
13	0.0	28	51	195	2,270	887	962	1,510	393	64	1.9	0.5	13
14	0.0	25	54	168	3,280	1,930	962	1,650	365	55	1.9	0.2	14
15	0.0	23	64	152	1,570	1,580	1,010	1,780	350	45	1.9	0.0	15
16	0.0	24	56	138	979	1,830	990	1,670	331	46	1.9	0.0	16
17	0.0	25	49	131	754	1,710	937	1,570	307	47	1.9	0.0	17
18	0.0	28	48	127	606	1,160	882	1,610	282	51	1.9	0.0	18
19	0.0	24	47	118	530	968	825	1,660	248	45	48	0.0	19
20	0.0	25	46	114	952	1,070	788	1,590	223	40	103	0.0	20
21	0.0	33	42	111	910	1,020	772	1,370	201	36	84	0.0	21
22	0.0	46	40	112	655	3,200	796	1,110	194	29	55	0.0	22
23	0.0	120	42	104	557	2,570	838	1,010	177	14	26	0.0	23
24	0.0	96	45	101	503	1,750	891	1,010	167	13	22	0.0	24
25	0.0	65	39	98	466	4,100	1,520	1,050	170	10	17	0.0	25
26	0.0	56	30	97	441	6,340	1,630	1,080	98	8.1	8.2	0.0	26
27	0.0	58	39	98	430	3,270	1,410	1,070	152	2.8	4.0	0.0	27
28	0.0	50	54	100	417	2,510	1,260	1,020	64	2.6	3.0	0.0	28
29	45	44	75	93		2,010	1,170	980	79	2.5	2.2	0.2	29
30	122	41	74	82		1,690	1,120	943	106	2.3	1.6	0.3	30
31	87		58	87		1,510		918		2.1	1.0		31
MEAN	8.2	43.4	67.4	165	1,174	1,695	1,171	1,245	394	51.8	13.2	0.2	MEAN
MAX.	122	120	306	855	5,270	6,340	1,960	1,780	931	122	103	1.6	MAX.
MIN.	0.0	23	30	38	92	426	772	918	64	2.1	1.0	0.0	MIN.
AC. FT.	504	2,580	4,140	10,160	65,220	104,300	69,670	76,530	23,440	3,180	812	15	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	ACRS FEET
498	7,600	42.79	3	26	0.0		10	1	360,500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.O.B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 21 29	121 20 34	SW 20 6N 6E	54,000	46.26	12-23-1955	OCT 1941-DATE	JAN 31-MAY 40# OCT 41-DATE	1931		0.00	USED

Station located on U. S. Highway 99 Bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles.

# - Flood season only.

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.4	8.5	2.6	2.4	70	3.0	2.3	4.9	5.8	8.7	6.6	4.4	1
2	7.4	5.4	11	1.6	174	2.2	2.3	4.0	7.0	7.5	5.0	6.4	2
3	6.4	3.9	110	3.1	66	2.6	2.1	3.8	8.3	7.3	3.6	6.9	3
4	6.7	5.0	42	2.2	117	2.8	2.6	3.9	9.3	4.1	6.2	6.7	4
5	6.4	4.7	12	1.6	39	22	70	4.6	9.6	3.5	6.8	8.3	5
6	5.9	4.2	7.7	15	23	15	102	5.4	9.7	4.1	7.1	6.9	6
7	6.8	22	4.8	7.4	47	40	43	5.8	7.5	5.8	7.7	4.3	7
8	6.8	8.3	3.5	8.4	93	138	21	6.1	5.7	7.2	10	6.0	8
9	6.5	7.2	5.0	5.7	285	43	12	6.4	6.6	6.1	7.1	6.6	9
10	7.6	5.1	6.0	5.4	104	39	9.4	4.7	8.3	5.5	6.4	5.3	10
11	7.6	5.1	6.5	2.6	41	31	6.9	4.3	8.1	5.4	10	4.0	11
12	4.2	6.7	6.2	2.0	130	20	4.6	5.2	9.3	4.2	16	4.3	12
13	3.9	4.6	6.5	4.4	523	159	4.7	5.4	8.4	3.8	15	2.2	13
14	2.9	4.5	4.3	5.4	158	70	5.7	4.6	6.2	5.0	17	1.2	14
15	5.0	4.4	4.0	5.2	37	21	6.4	4.4	6.2	5.7	16	2.3	15
16	5.2	2.6	6.1	5.7	17	52	9.3	5.7	6.3	4.8	7.7	3.4	16
17	5.0	1.6	6.5	5.1	10	25	6.7	4.7	6.3	5.0	4.2	4.1	17
18	5.2	5.5	6.6	2.1	8.4	15	4.8	4.7	6.6	4.0	4.5	4.9	18
19	3.3	5.1	6.7	1.8	33	12	3.7	5.1	4.3	3.1	26	4.2	19
20	2.0	5.2	5.2	4.1	25	11	3.7	4.5	5.2	2.8	22	2.8	20
21	5.1	37	3.5	5.1	14	118	3.9	5.0	4.0	4.2	12	1.8	21
22	5.7	12	3.0	3.0	7.0	160	4.0	4.6	3.5	3.3	11	3.9	22
23	5.3	6.0	3.2	5.5	4.7	10	4.8	5.1	5.6	4.2	6.6	5.1	23
24	5.5	4.1	3.1	5.1	4.5	40	11	5.4	9.2	5.7	6.4	6.6	24
25	6.6	8.5	2.6	2.9	3.9	133	5.0	4.4	10	4.8	11	6.5	25
26	6.0	6.9	2.8	2.1	3.3	10	3.8	3.8	8.8	3.3	12	6.4	26
27	35	6.5	48	3.8	3.3	2.5	3.9	6.0	9.1	2.2	12	3.8	27
28	37	4.0	150	10	3.4	2.3	4.2	5.9	7.2	2.9	13	3.3	28
29	11	2.7	20	6.1		2.3	4.9	6.3	6.8	3.6	11	5.7	29
30	7.2	2.5	4.5	4.6		2.3	5.1	7.1	8.3	5.0	6.4	5.6	30
31	26		2.4	32		2.2		6.6		6.1	4.8		31
MEAN	8.5	7.0	16.3	5.6	73	38.9	12.5	5.1	7.2	4.8	11.3	4.8	MEAN
MAX.	37	37	150	32	523	160	102	7.1	10	8.7	45	8.3	MAX.
MIN.	2.0	1.6	2.4	1.6	3.3	2.2	2.1	3.8	3.5	2.2	3.6	1.2	MIN.
AC. FT.	521	416	1,000	345	4,060	2,390	741	314	431	296	697	285	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# - E AND \*

MEAN	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
DISCHARGE	DISCHARGE	GAGE HT. MO. DAY TIME	DISCHARGE GAGE HT. MO. DAY TIME	ACRE FEET
15.9	946	6.02 2 13 0730		11,500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T & R. M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 29 55	121 27 06	SE 32 BN SE	1,610	8.53	1-26-1969	JULY 1959-DATE	JULY 1959-DATE	1959	1960	8.15	USCGS
								1960	1965	10.31	USCGS
								1965		7.60	USCGS

Station located 750 feet above Florin Road in southeast Sacramento. Tributary to Snodgrass Slough via Beach and Stone Lakes. Records furnished by U. S. Geological Survey. Drainage area is 48.6 square miles.

TABLE B-5 (CONT.)  
DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

TABLE B-5 (CONT.) DAILY MEAN DISCHARGE (IN CUBIC FEET PER SECOND)														WATER YEAR		STATION NO.	STATION NAME
														1975	B95925	DELTA-MENDOTA CANAL NEAR TRACY	
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY				
1	4,331		0.0	0.0	4,497	4,787	4,161	4,722	3,318	4,633	4,588	4,436	1				
2	4,450		0.0	0.0	4,527	4,777	4,792	4,717	3,687	4,644	4,578	4,060	2				
3	4,345		0.0	0.0	4,506	4,782	4,752	4,727	4,046	4,633	4,568	3,944	3				
4	4,344		0.0	0.0	4,361	4,750	4,735	4,705	4,056	4,635	4,540	3,970	4				
5	4,333		0.0	0.0	4,485	4,772	4,751	4,699	4,083	4,649	4,583	3,965	5				
6	4,357		0.0	0.0	4,496	4,764	4,716	4,704	4,082	4,678	4,572	3,968	6				
7	4,363		0.0	1,071	4,486	4,472	4,718	4,628	4,073	4,634	4,571	3,968	7				
8	4,360		0.0	1,684	4,375	4,111	4,738	4,759	4,072	4,638	4,193	3,979	8				
9	4,371		0.0	2,309	4,474	4,116	4,739	4,764	4,052	4,670	4,593	3,965	9				
10	4,352	N	0.0	2,723	4,509	4,113	4,317	4,764	4,045	4,639	4,583	3,978	10				
11	4,353	O	0.0	2,637	4,673	4,116	3,860	4,739	4,023	4,641	4,578	3,974	11				
12	4,351		0.0	3,202	4,714	4,086	3,735	4,757	4,053	4,637	4,615	3,975	12				
13	4,348		0.0	3,209	4,743	4,127	3,714	4,288	4,034	4,635	4,624	3,974	13				
14	4,363		0.0	3,236	4,254	3,681	3,555	4,140	4,042	4,641	4,606	3,958	14				
15	4,372	F	0.0	3,192	3,936	2,825	3,238	3,582	4,060	4,633	4,589	3,979	15				
16	4,298	L	0.0	3,252	3,941	2,461	3,230	3,387	4,006	4,626	4,600	3,981	16				
17	3,921		0.0	3,400	3,934	2,452	3,229	3,356	4,032	4,632	4,536	3,971	17				
18	3,860	O	0.0	3,486	3,934	2,455	3,226	3,367	4,016	4,584	4,492	3,967	18				
19	3,875		92	3,486	3,930	2,946	3,224	3,372	4,043	4,583	4,352	3,861	19				
20	3,872	W	224	3,475	3,959	3,377	3,219	3,367	4,033	4,533	4,380	3,760	20				
21	3,872		0.0	3,482	3,951	3,372	3,466	3,338	3,963	4,524	4,371	3,748	21				
22	3,403		0.0	3,483	3,918	3,372	4,445	3,377	3,917	4,529	4,385	3,755	22				
23	2,701		0.0	3,509	3,931 *	3,387	4,737	3,375	3,838	4,581	4,376	3,764	23				
24	2,437		0.0	3,492	3,422	3,364	4,734	3,336	4,009	4,602	4,347	3,730	24				
25	2,471		0.0	3,952	3,228	3,398	4,745	3,360	3,947	4,562	4,377	2,810	25				
26	1,865		0.0	3,948	3,299	3,383	4,734	3,346	4,010	4,613	4,404	2,394	26				
27	1,664 *		0.0	3,943	4,209	3,383	4,728	3,366	3,992	4,618	4,415	2,397	27				
28	1,676		0.0	3,944	4,588	3,373	4,720	3,371	4,001	4,602	4,409	2,302	28				
29	1,080		0.0	4,129		3,413	4,727	3,342	4,005	4,592	4,422	2,295	29				
30	243		0.0	4,489		4,043	4,729	3,343	4,245	4,588	4,487	2,313	30				
31	0.0		0.0	4,568		4,092		3,333		4,568	4,458		31				
MEAN	3,440	0.0	10.2	2,687	4,189	3,760	4,213	3,949	3,996	4,612	4,490	3,637	MEAN				
MAX.	4,450	0.0	224	4,568	4,743	4,787	4,792	4,764	4,245	4,678	4,624	4,436	MAX.				
MIN.	0.0	0.0	0.0	0.0	3,228	2,452	3,219	3,333	3,318	4,524	4,347	2,295	MIN.				
AC. FT.	211,640	0.0	627	165,228	232,300	231,177	250,702	242,842	237,788	283,595	276,087	216,442	AC. FT.				

WATER YEAR SUMMARY

E - ESTIMATED	MEAN	DISCHARGE	MAXIMUM	DISCHARGE	MINIMUM	TOTAL
NR - NO RECORD	3,244		GAGE HT. MO DAY TIME			2,348,428
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW						
# - E AND *						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1.4 SEC T & R M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE					
37 47 45	121 35 05	SW 31 18 4E				JUNE 1951-DATE	JUNE 1951-DATE	1951	0.00	USCGS

Station located at Tracy Pumping Plant at intake to canal, 6 miles southeast of Byron, 10 miles northwest of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant, where it is lifted about 200 feet into the canal. Records are furnished by the U. S. Bureau of Reclamation.

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	90	123	66	59	98	73	82	94	136	144	184	146	1
2	91	97	63	62	91	71	80	88	133	146	185	146	2
3	91	81	58	63	94	80	82	85	130	159	186	154	3
4	83	80	58	60	99	81	79	87	130	163	177	150	4
5	86	78	59	59	103	79	82	100	168	159	170	156	5
6	84	76	58	61	103	74	91	92	183	160	169	157	6
7	86	74	61	61	84	73	93	89	175	166	174	155	7
8	89	71	60	61	81	68	88	99	179	175	174	153	8
9	87	70	58	63	79	67	90	99	205	179	178	165	9
10	83	68	62	64	93	75	92	103	217	181	178	163	10
11	80	71	61	57	86	89	85	114	209	185	180	138	11
12	85	72	63	58	84	98	82	123	234	184	182	129	12
13	81	69	61	65	80	75	83	117	178	182	183	127	13
14	106	75	60	61	78	72	87	114	204	170	176	126	14
15	116	63	58	67	76	70	92	112	200	173	181	125	15
16	116	67	60	67	70	76	92	112	201	167	167	134	16
17	112	65	60	67	74	71	86	116	182	183	168	136	17
18	110	64	62	68	75	69	89	127	148	177	162	136	18
19	121	69	61	66	78	70	82	122	157	171	160	138	19
20	93	69	60	63	76	68	84	113	159	174	165	129	20
21	91	68	53	67	76	68	102	115	153	177	166	127	21
22	94	66	58	65	72	61	109	112	150	189	167	132	22
23	94	62	61	63	74 B	59	103	112	151	182	168	133	23
24	93	63	57	63	82	66	116	124	144	185	170	136	24
25	111	64	55	62	79	74	102	122	143	190	166	134	25
26	93	63	60	60	78	70	112	125	143	190	167	139	26
27	111 A	63	58	66	78	72	126	125	149	187	166	138	27
28	108	63	56	86	79	76	152	122	150	183	164	124	28
29	124	60	57	97	71	71	152	130	151	178	158	122	29
30	122	61	60	104	72	72	113	137	144	178	157	101	30
31	112	56	101	82	82	82		136		180	155		31
MEAN	98.2	71.2	59.4	67.3	82.9	73.2	96.9	112	167	175	171	137	MEAN
MAX.	124	123	66	104	103	98	152	137	234	190	186	157	MAX.
MIN.	80	60	53	57	70	59	79	85	130	144	155	101	MIN.
AC. FT.	6,036	4,235	3,650	4,138	4,602	4,503	5,768	6,875	9,929	10,745	10,518	8,150	AC. FT.

A - 25 hour day  
 B - 23 hour day

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # - E AND \*

**WATER YEAR SUMMARY**

MEAN DISCHARGE	DISCHARGE	MAXIMUM	GAGE HT.	NO.	DAY	TIME	DISCHARGE	MINIMUM	GAGE HT.	NO.	DAY	TIME	TOTAL ACRE FEET
109													79,146

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	FROM	TO	ZERO ON GAGE	REF DATUM
			CF5	GAGE HT.	DATE							
37 59 45	121 42 00	NE 25 2N 2E				FEB 1950-DATE	FEB 50-DEC 52	1950	1952		121.72	USCGS
Station located at Pumping Plant No. 1, 0.7 mile east of Oakley, 2.6 miles northwest of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 feet into canal. Recording flow meters on pumps. Records furnished by U. S. Bureau of Reclamation.												



**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	895920	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	896	830	4,480	2,590	3,110	4,435	1,636	1,637	350	239	1,087	3,950	1
2	896	1,389	1,635	1,976	3,160	4,300	1,635	2,268	218	259	3,540	3,945	2
3	897	2,240	1,553	3,124	1,949	2,856	1,636	2,901	158	259	6,300	3,943	3
4	869	830	1,682	4,194	1,950	1,222	1,666	4,060	231	231	3,701	3,958	4
5	1,019	1,077	1,831	5,180	1,950	2,139	3,170	1,637	131	350	3,138	3,970	5
6	1,120	1,091	1,692	3,314	1,150	3,599	5,180	2,267	130	350	3,136	5,000	6
7	666	736	2,754	3,321	914	3,024	1,879	2,268	218	350	3,363	6,300	7
8	518	1,136	4,480	3,322	2,503	3,460	1,878	2,268	350	131	3,230	4,011	8
9	418	1,739	1,658	2,594	3,360	3,710	1,879	2,268	131	218	5,015	4,032	9
10	417	2,590	1,780	2,553	1,382	1,335	1,878	3,843	130	158	6,300	3,946	10
11	354	1,174	1,879	3,219	1,546	1,234	1,876	6,300	158	231	3,722	3,949	11
12	350	1,179	1,878	4,830	1,120	1,234	2,959	2,262	231	218	3,857	3,341	12
13	350	976	1,879	1,653	593	1,793	2,799	2,268	350	131	3,950	4,482	13
14	350	912	3,173	1,315	1,664	1,222	1,232	1,978	189	345	4,590	6,300	14
15	354	1,398	5,180	1,634	3,804	1,118	1,260	705	233	350	3,950	2,269	15
16	931	1,743	1,879	1,982	3,710	0	1,360	259	158	131	4,878	2,396	16
17	958	4,480	3,320	2,083	2,759	93	1,359	640	232	193	6,300	2,728	17
18	959	1,634	3,320	3,544	1,283	417	1,332	3,360	131	354	3,872	2,998	18
19	1,048	2,134	2,603	4,830	2,983	722	2,074	997	131	218	3,949	2,999	19
20	1,470	1,979	2,603	1,733	2,981	1,680	2,612	283	131	350	3,951	4,295	20
21	1,279	2,154	3,619	1,633	1,313	1,881	1,042	409	218	158	3,934	6,300	21
22	1,415	1,798	5,180	1,635	3,681	3,163	1,878	130	350	231	3,921	3,581	22
23	1,445	3,476	3,321	1,659	4,964	5,180	1,863	350	158	158	4,872	3,546	23
24	1,120	3,710	2,282	1,758	1,735	1,832	1,750	218	259	231	6,300	3,679	24
25	1,213	1,415	3,710	2,942	1,738	1,447	1,449	350	231	131	3,236	3,383	25
26	1,754	1,635	2,385	4,480	3,723	1,634	2,585	130	133	350	3,228	3,321	26
27	1,531	1,634	2,657	2,270	3,788	1,634	2,307	204	131	350	2,974	3,895	27
28	858	4,480	3,460	2,197	3,228	1,635	2,111	262	218	139	3,000	5,180	28
29	1,162	1,635	3,710	1,852	2,756	1,482	232	350	323	358	2,677	2,677	29
30	2,860	2,754	2,299	2,354	4,480	4,480	1,477	131	158	546	4,877	3,321	30
31	1,860		2,210	2,354		1,635		218		613	6,300		31
MEAN	1,011	1,865	2,777	2,714	2,437	2,228	1,975	1,519	207	268	4,124	3,923	MEAN
MAX.	2,860	4,480	5,180	5,180	4,964	6,300	5,180	6,300	350	613	6,300	6,300	MAX.
MIN.	350	736	1,553	1,315	593	0	1,042	130	130	131	2,974	2,269	MIN.
AC. FT.	62,156	110,990	170,760	166,859	135,353	136,998	117,508	93,428	12,292	16,495	253,545	233,444	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
NR - NO RECORD  
+ - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# - RAND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
2,085											1,509,828

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T. & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CFS	GAGE HT.	DATE				FROM	TO	
37 48 02	121 37 09	SE 35 1S 3E				OCT 1968-DATE					
Delta Pumping Plant located 4.5 miles south of Byron. Discharge computed from records of operation of pumps. Water diverted from Sacramento-San Joaquin Delta via Clifton Court Forebay and lifted about 240 feet into the canal. Prior to November 1969, water was diverted via Italian Slough.											

**TABLE B-5 (CONT.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0.0	1.5	16	7.8					1
2					2.2	1.4	14	6.6					2
3					2.2	1.3	13	5.9					3
4					7.0	1.1	17	5.7					4
5					3.9	1.1	46	5.5					5
6					2.5	2.8	39	5.2					6
7					2.3	8.3	26	4.9					7
8					3.0	16	67	4.7					8
9					30	9.7	36	4.5					9
10					45	18	29	4.2					10
11	O	O	O	O	21	16	25	4.0	O	O	O	O	11
12					13	10	21	3.7					12
13					72	59	20	3.5					13
14	F	F	F	F	37	40	19	2.5					14
15					19	26	17	2.5	F	F	F	F	15
16	L	L	L	L	14	59	17	2.6	L	L	L	L	16
17					9.6	25	19	2.3					17
18	O	O	O	O	7.3	20	15	2.1	O	O	O	O	18
19					6.3	17	13	1.8					19
20	W	W	W	W	9.0	13	13	1.3	W	W	W	W	20
21					5.8	56	12	1.6					21
22					4.2	141	11	1.3					22
23					3.6	50	11	1.3					23
24					3.3	39	11	1.1					24
25					2.8	131	13	1.3					25
26					2.3	55	11	0.9					26
27					2.0	38	9.6	0.7					27
28					1.8	29	9.1	0.2					28
29						23	8.9	0.0					29
30						20	8.6	0.0					30
31						18		0.0					31
MEAN	0.0	0.0	0.0	0.0	11.9	30.5	19.6	2.9	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	72	141	67	7.8	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	1.1	8.6	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	659	1,880	1,160	178	0.0	0.0	0.0	0.0	AC. FT.

**WATER YEAR SUMMARY**

E — ESTIMATED  
 NR — NO RECORD  
 \* — DISCHARGE MEASUREMENT OR  
 OBSERVATION OF NO FLOW  
 # — E AND \*

MEAN	MAXIMUM	MINIMUM	TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	ACRE FEET
5.36	465	5.87	3,880
		MO. DAY TIME	
		3 21 2400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CF5	GAGE HT.	DATE			FROM	TO		
37 52 24	121 43 34	SW 2 1S 2E	3,880	11.62	1-31-1963	FEB 1953-DATE	FEB 1953-DATE	1953		177.87	USCGS

Station located 40 feet below highway bridge, 1.2 miles above Marsh Creek Dam, 5.0 miles west of Byron. Station affected by backwater from Marsh Creek Reservoir. Maximum gage height of record is 12.98 feet on December 23, 1955. Tributary to San Joaquin River. Records furnished by U. S. Geological Survey. Drainage area is 42.6 square miles.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	G12200	BIDWELL CREEK NEAR FORT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.2	6.3	5.8	5.6	7.1	12	11	23	145	34 *	12	8.5	1
2	5.2	6.2	5.8	5.6	7.1	13	11	25	157	31	12	8.3	2
3	5.2	6.1	6.2	5.6	7.4	14	11	28	167	30	11	8.0	3
4	5.2	6.1	6.3	5.6	7.4	13	11	30	176	29	11	7.7	4
5	5.2	6.1	6.3	5.6	7.4	14	12	31	177 *	29	11	7.4	5
6	5.0	6.1	6.3	5.6	7.7	14	11	31	178	30	11	7.4	6
7	5.1	6.1	6.3	5.6	7.7	14	11	30	177	29	11	7.2	7
8	5.2	6.1	6.1	5.4	7.7	14	11	31	163	27	11	7.1	8
9	5.2	6.1	6.1	5.4	8.0	14	10	34	141	25	10	7.1	9
10	5.2*	6.1	6.1	5.4	8.0	14	11	38	124	24	11	7.1	10
11	5.2	6.1	6.2	5.4	8.0	13	11	43	111 *	23	10	7.5	11
12	5.2	6.1	6.4	5.4	8.3	12	11	49	109	25	9.6	7.4	12
13	5.2	6.1	6.8	5.4	8.3	11	12	54	107	24	9.3	7.2	13
14	5.2	5.9	6.6	5.4	8.3	11	13	58	101	21	9.4	7.1	14
15	5.2	5.8*	6.9	5.4	8.6	11	13	65	100	24	9.6	6.9	15
16	5.2	5.8	7.4	5.4	8.6	10	14	73	99	24	9.6	6.9	16
17	5.2	5.8	7.2	5.6	8.6	9.8	14	82	95	21	12	6.9	17
18	5.0	5.8	6.6	5.6	8.6	9.6	14	87	90	20	14	6.8*	18
19	5.0	5.8	6.5	5.8	9.0	10	15	95	82	19	11 *	6.7	19
20	5.0	5.8	6.6*	5.8	9.0	11	16	96 *	77	18	11	6.5	20
21	5.1	6.0	6.8	6.1	9.0*	11	17	88	71	17	10	6.5	21
22	5.2	6.1	6.5	6.1	9.0	11	19	70	67	16	10	6.3	22
23	5.4	6.1	6.3	6.3	9.3	11	20	76	63	15	9.8	6.2	23
24	5.4	6.1	5.9	6.3	9.0	10	22	81	57	15	9.3	6.1	24
25	5.5	6.1	5.8	6.5	8.6	10	23	84	56	14	9.1	5.8	25
26	5.6	5.9	5.8	6.5	8.5	11	24	85	53	14	9.0	5.8	26
27	5.6	6.1	5.8	6.5	8.7	11 *	23	88	49	14	8.9	5.6	27
28	6.2	5.9	5.8	6.8	9.7	11	22	93	45	13	9.5	5.7	28
29	6.5	5.7	5.8	6.8	11	11	22	98	39	14	8.9	5.6	29
30	6.4	5.8	5.8	6.8	11	11	22	109	37	13	8.7	5.3	30
31	6.3		5.8	7.1	11	11		131		13	8.7		31
MEAN	5.4	6.0	6.3	5.9	8.3	11.7	15.2	65.1	103	21.5	10.3	6.8	MEAN
MAX	6.5	6.3	7.4	7.1	9.7	14.0	24.0	131	178	34.0	14.0	8.5	MAX
MIN.	5.0	5.7	5.8	5.4	7.1	9.6	10.0	23.0	37.0	13.0	8.7	5.3	MIN.
AC. FT.	330	357	386	362	461	721	906	4003	6175	1319	632	406	AC. FT.

## WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MINIMUM DISCHARGE	TOTAL ACRE FEET
22.2	DISCHARGE 181 GAGE HT 4.28 NO. DAY 06 TIME 05 2215	DISCHARGE 5.0 GAGE HT 3.26 NO. DAY 10 TIME 05 1815	16057

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE					
41 52 57	120 10 26	SE 6 46N 16E	682	5.64	12/24/64	APR 55-OCT 57 11 MAY 58-DATE	APR 55-OCT 57 8 MAY 58-DATE		0.00	LOCAL

Station located E of New Pine Creek-Fort Bidwell Highway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25.6 sq. mi.

11 - Irrigation season only.

TABLE B-5 (Cont.)

## DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	G15150	CEDAR CREEK NEAR CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.5	0.5	0.7	2.3	12	7.3	21	29	6.2	17	0.5	1
2	0.2	0.4	0.5	0.7	2.2	13	7.0	26	28	5.8*	15	0.5	2
3	0.3	0.4	0.6	0.7	2.2	11	7.0	30	26	5.5	13	0.5	3
4	0.3	0.4	0.7	0.7	2.1	10	6.9	25	24	5.1	11	0.5	4
5	0.3	0.4	0.6	0.8	2.0	10	6.7	22	23	4.9	9.8	0.5	5
6	0.4	0.4	0.5	0.9	1.9	9.8	5.6	21	22	4.7	8.6	0.5	6
7	0.4	0.4	0.6	1.0	2.0	9.6	5.5	25	21	4.4	7.3	0.4	7
8	0.4	0.5	0.5	1.4	2.8	9.0	5.4	32	19	4.0	6.3	0.4	8
9	0.4	0.5	0.5	1.2	3.8	8.7	5.1	38	17	3.8	5.5	0.4	9
10	0.4*	0.5	0.5	1.1	3.8	7.9	5.5	38	15	3.4	4.8	0.5	10
11	0.4	0.5	0.7	1.1	3.6	7.0	5.8	39	14	3.4	4.0	0.5	11
12	0.4	0.5	1.1	1.1	3.7	5.7	6.6	39	12	3.2	3.4	0.5	12
13	0.4	0.5	0.6	1.2	7.0	5.1	8.2	41	12	3.1	2.8	0.5	13
14	0.4	0.5	0.6	1.3	5.4	4.8	11	43	12	2.6	2.2	0.5	14
15	0.3	0.5	1.3	1.4*	4.5	4.6	12	39	12	2.4	1.8	0.5	15
16	0.3	0.5*	0.8	1.4	4.3	4.3	11	39	11	2.6	1.4	0.6	16
17	0.3	0.5	0.5	1.5	4.0	4.2	10	37	11	2.5	1.1	0.5	17
18	0.3	0.6	0.5	1.9	3.8	4.2	10	38	10	2.3	1.3	0.3*	18
19	0.3	0.6	0.5	2.2	4.4	5.4	11	37	11	2.0	1.6*	0.2	19
20	0.3	0.6	1.1*	2.4	4.4	6.2	12	34	11	1.8	1.4	0.2	20
21	0.3	0.6	0.9	2.4	3.9*	6.5	14	30	11	1.6	1.3	0.2	21
22	0.3	0.6	0.7	2.1	3.7	6.4	17	31	10	1.5	1.2	0.2	22
23	0.4	0.5	0.7	2.2	3.6	6.0	17	34	9.5	1.3	1.1	0.2	23
24	0.4	0.6	1.0	4.0	3.6	5.9	22	32	9.2	1.1	0.9	0.2	24
25	0.4	0.7	0.7	6.0	3.6	8.3	21	29	9.3	1.0	0.8	0.2	25
26	0.4	0.6	0.7	4.2	3.5	8.4	17	27	9.0	0.9	0.7	0.2	26
27	0.4	0.6	0.7	3.5	4.3	8.1*	15	28	8.1	0.8	0.6	0.2	27
28	0.5	0.5	0.7	4.7	7.8	6.0	15	28	7.3	0.7	0.7	0.2	28
29	0.4	0.4	0.7	3.2	5.9	5.9	15	28	6.6	7.9	0.6	0.2	29
30	0.4	0.5	0.7	4.1	6.7	17	17	28	6.4	20	0.6	0.2	30
31	0.5		0.7	2.4	8.0		29	29		19	0.6		31
MEAN	0.4	0.5	0.7	2.0	3.7	7.4	11.0	31.9	14.2	4.2	4.1	0.4	MEAN
MAX.	0.5	0.7	1.3	6.0	7.8	13.0	22.0	43.0	29.0	20.0	17.0	0.6	MAX.
MIN.	0.2	0.4	0.5	0.7	1.9	4.2	5.1	21.0	9.4	0.7	0.6	0.2	MIN.
AC. FT.	22	30	42	126	207	454	654	1964	846	257	255	22	AC. FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY  
- E AND \*

MEAN	MAXIMUM				MINIMUM				TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	DISCHARGE	GAGE HT	MO	DAY	ACRE FEET
6.7	55	4.25	05	14	0.2	2.41	10	01	4878
				1745				2030	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.R. & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	RRF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 31 48	120 11 15	SE6 42N 16E	81	5.43	1/23/70	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located above Cedarville-Alturas Highway culvert, immediately W of Cedarville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25 sq. mi.

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	617150	EAGLE CREEK AT EAGLEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2										33.4 *			2
3													3
4													4
5													5
6													6
7													7
8													8
9	1.00 *												9
10													10
11									43.9 *				11
12													12
13													13
14				1.42 *									14
15													15
16		2.03 *											16
17													17
18											14.8 *	2.42 *	18
19													19
20			2.45 *					20.4 *					20
21					2.00 *						6.78 *		21
22													22
23													23
24								4.61 *					24
25													25
26						3.52 *							26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW  
# - E AND \*

Note: Gage height data insufficient to compute daily mean discharge.  
Measured discharge published.

MEAN
DISCHARGE

MAXIMUM				
DISCHARGE	GAUGE HT.	MO.	DAY	TIME

MINIMUM				
DISCHARGE	GAUGE HT.	MO.	DAY	TIME

TOTAL
ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D S & M	OF RECORD			DISCHARGE	GAUGE HEIGHT ONLY	PERIOD		ZERO ON GAUGE	REF. DATUM
			CF5	GAUGE HT	DATE			FROM	TO		
41 18 40	120 07 27	SE23 40N 16E	N.R.			MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL
Station located 0.6 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is 6.36 sq. mi.											

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	G31140	PINE CREEK AT EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198	97	0.0*	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	302	100	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	360	95	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265	82	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199	74	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	69	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184	63	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300	57	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	471	55	0.0	0.0	0.0	9
10	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	528	51	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	607	46	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	720	41	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	870	36	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,040	32	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,140	28	0.0	0.0	0.0	15
16	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	1,030	25	0.0*	0.0	0.0	16
17	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	900	23	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	780	21	0.0	0.0*	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	1.8	680	21	0.0	0.0	0.0*	19
20	0.0	0.0	0.0	0.0	0.0*	0.0	4.1	585	21	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	12	436	20	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	46	325	18	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	70	258	15	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	90	221	13	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	102	196	12	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	88	160	8.8	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	80	139	7.3	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0*	85	120	5.3	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	105	109	2.8	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	138	105	0.7	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	27.7	434	38.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	138	1,140	100	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.0	0.7	0.0	0.0	0.0	MIN.
AC FT.							1648	26686	2261				AC FT.

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF FLOW MADE THIS DAY

- - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
42.3	1140	5.45	05	15	0000	0.0	1.38	10	01	0000	30595

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.D.S.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 39 56	120 47 07	NE1 32N 10E	1,140	5.45	5-15-75	JUL 56-DATE	JUL 56-DATE	1956	1969	0.00	LOCAL
								1969		0.00	LOCAL

Station located above mouth, 18 mi. NW of Susanville. Prior to October 1, 1969, gage located at site 1 mi. upstream at different datum. Tributary to Eagle Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 227 sq. mi.





TABLE B-6

DIVERSIONS

This table includes diversion data on the Feather, Mokelumne, Sacramento, and Yuba Rivers. Data furnished by federal and local agencies are published as received from those agencies.

Additional diversion data not included in this table may be obtained from the Water Rights Division of the State Water Resources Control Board.

TABLE B-6 (Continued)  
DIVERSIONS -- FEATHER AND YUBA RIVERS  
October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE- FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
FEATHER RIVER															
--NICOLAUS BRIDGE--	9.2														
Hemami Brothers	9.75R	1-20 1-30	0						66	2,583	2,763	2,769	2,786	1,455	12,442
--BEAR RIVER--															
Garden Highway Mutual Water Company	13.1R	2-20 1-24		471	64		53	331	3,734	3,255	3,299	2,737	1,044		14,984
Feather Water District b	15.2R	3-14	32					254	1,182	1,563	2,099	1,467	562		7,151
Flumas Mutual Water Company	17.3L	2-18	313					250	2,361	2,955	3,108	2,000	1,882		12,869
Tudor Mutual Water Company	18.4R	2-30 1-35	0					0	824	1,451	1,161	1,134	259		4,849
Feather Water District b	20.4R	4-26	158					478	7,670	3,761	3,825	2,174	1,116		14,182
Oswald Water District	21.4R	2-16	0					126	420	482	471	424	246		2,169
--YUBA RIVER--															
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0#														
--10TH STREET BRIDGE--	28.2														
City of Yuba City c	29.6R	3-20	437	233	228	217	198	217	273	567	680	738	738	584	5,110
Sutter Extension Water District d	38.1R	1-36 1-46 1-48	0						1,349	9,192	2,902	4,923	5,524	1,166	25,058
--HOLCUT CREEK--	43.7L														
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY	58.2R														
--THERMALITO DIVERSION DAM--	65.6														
Western Canal Outlet at e Thermalito Afterbay	19/3-18D**	Gravity	33,144	36,145	18,768	6,196			1,720	43,211	43,296	47,898	42,193	10,312	282,883
Richwele Canal Outlet at e Thermalito Afterbay	19/3-18D**	Gravity	553						3,065	25,474	22,539	22,596	20,781	5,779	100,787
PG&E Outlet at Thermalito e Afterbay	19/3-19E**	Gravity								1,423	812	880	820	52	3,987
Sutter-Butte Canal Outlet e at Thermalito Afterbay	18/3-58**	Gravity	40,672	0			129	35,077	111,372	97,768	98,560	91,043	45,075		519,896
--DROVILLE DAM--	70.4														
FEATHER RIVER, TOTAL DIVERSIONS			75,309	36,849	19,060	6,413	198	399	42,989	205,213	184,227	192,367	173,821	69,534	1,006,379
** Diversions are via Thermalito Afterbay. Figures represent North Townships, East Ranges, and Sections. Letters represent the 1/4-1/4 sections which are lettered from A through R, excluding I and O, similar to the numbering of sections within a township. # Station located on bridge at or near center of stream.															
a Includes an undetermined amount of spill to river. b Records furnished by U. S. Bureau of Reclamation. c Records furnished by City of Yuba City. d Records furnished by Sutter Extension Water District. e Records obtained from Report of Operations: C. H. Hornum Water Project.															
YUBA RIVER															
--HIGHWAY 99E BRIDGE--	0.0														
--DAGUERRE POINT DAM--	11.0														
Hollywood Irrigation District	11.0R	Gravity	5,387						4,580	16,105	13,805	12,522	12,510	8,965	75,894
Cordua Irrigation District	11.0R	Gravity	10,910						3,344	14,010	14,140	16,150	15,690	4,411	76,655
Browns Valley Irrigation District	11.7R	1-24 1-16 1-12 1-6	1,562						500	4,140	4,235	3,890	3,402	612	18,341
--DRY CREEK--	13.1R														
--DEER CREEK--	21.8L														
--ENGLEBRIGHT DAM--	22.8														
YUBA RIVER, TOTAL DIVERSIONS			17,659						8,424	36,255	32,180	32,562	31,602	14,008	172,690

Diversions for the irrigation period April through September are measured under a cooperative agreement between the Department and the Yuba County Water Agency.

TABLE B-6 (Continued)  
 MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF \*  
 October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE-Feet
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--TOWER BRIDGE - SACRAMENTO--															
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.6L														
--AMERICAN RIVER--	1.1L														
Natomas Central Mutual Water Co.	2.15L		0						0	4	24	31	26	1	85
--STAGE STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR	4.0R														
Natomas Central Mutual Water Co.	6.3L		346						202	1,576	1,715	2,166	1,746	851	9,107
Natomas Central Mutual Water Co.	7.5L		0						62	76	69	46	4	1	277
University of California	10.25L		0						0	17	162	171	194	0	544
Hanks, G. A. and Sons	11.1R		0						0	70	190	171	124	21	586
Woodland Farms, Ltd	12.0R		473						0	2,209	4,299	5,377	5,025	3,044	20,429
Natomas Central Mutual Water Co.	14.1L		18						70	2,275	2,239	2,569	2,598	1,278	11,047
Latter Day Saints Church	15.1R		0						0	20	1	156	95	1	272
Natomas Central Mutual Water Co.	16.0L		306						1,652	10,886	9,141	9,208	9,830	3,657	44,680
Hershey, Davidella, et al	16.27R		0						0	0	0	0	0	0	0
Deseret Farms of California	16.62R		0						17	35	65	120	96	2	333
Deseret Farms of California	17.0R		0						0	0	245	66	24	1	311
--CROSS CANAL - RECLAMATION DISTRICTS 1000 and 1001--	19.6L														
Natomas Central Mutual Water Co.	(1.05) a		0						1,573	4,929	4,383	4,538	4,758	1,167	22,348
Natomas Central Mutual Water Co.	(2.05) a		0						1,336	10,787	8,983	9,261	8,607	1,965	40,939
Pleasant Grove-Verona Mutual Water Company	(3.38) a		0						96	2,382	1,651	1,655	1,892	539	8,213
Pleasant Grove-Verona Mutual Water Company	(3.45) a		111						373	2,770	2,711	2,959	2,388	675	11,987
--FEATHER RIVER--	20.9L														
--SACRAMENTO SLOUGH--	21.2L														
Deseret Farms of California	22.5R		0						70	120	476	371	250	0	1,287
Furlan, Antonio, et ux.	26.8L		0						0	0	101	0	0	0	101
--STAGE STATION - SACRAMENTO RIVER AT FREDMONT WEIR, WEST END	27.9R														
Hershey, Estate, (Wallace & Son)	28.1R		0						0	188	199	78	57	0	522
Furlan, Antonio, et ux.	28.2L		0						0	103	43	90	0	1	236
Wallace Construction Co., Inc.	29.7R		0						0	174	111	153	99	63	600
Furlan, Antonio, et ux.	30.5L		0						0	147	87	0	47	0	281
Wallace Construction Co., Inc.	30.7R		0						0	64	35	52	45	52	248
Wallace Construction Co., Inc.	32.1R		0						0	511	530	486	510	35	2,073
Sutter Mutual Water Co.	32.6L		0						286	3,390	3,555	3,354	3,278	1,747	13,610
MCM Properties	33.75L		0						0	193	87	170	268	135	853
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L														
River Garden Farms Co.	34.5R		0						885	4,221	4,467	3,749	3,921	992	18,235
Title Insurance and Trust Co.	35.2L		0						129	48	0	0	0	0	177
Sutter Mutual Water Co.	40.6L		0						1,239	7,654	7,086	6,088	6,416	1,639	30,122
River Garden Farms Co.	41.0R		0						127	1,046	1,160	1,045	1,039	395	4,816
Reclamation District No. 108	43.1R		0						175	7,986	7,742	7,597	7,237	242	30,979
River Garden Farms Co.	43.1R		0						930	1,318	692	698	298	68	4,004
Reclamation District No. 108	43.4R		0						0	112	113	115	56	39	455
Clauss, John, Jr., et al.	44.2L		0						0	0	0	0	0	0	0
Clauss, John, Jr., et al.	45.6L		0						0	0	0	121	0	0	121
Clauss, John, Jr., et al.	46.45L		0						290	638	254	245	46	0	1,473
Henje, John R., et ux.	46.5L		0						0	0	83	94	0	0	177
Oji, Masanobu, et al	48.7L		0						199	762	999	1,010	1,112	387	4,469
Niatt, Glenwood J., et al.	49.0L		0						36	123	356	97	48	0	660
Niatt, Glenwood J., et al.	49.7L		0						0	297	116	336	366	89	1,204
Reclamation District No. 108	51.1R		0						1,206	4,822	4,636	4,712	5,276	1,048	21,700
Leal and Montana	51.2L		0						63	811	946	1,040	184	0	3,044
Reclamation District No. 108	53.8R		0						249	1,414	1,183	2,212	1,890	387	7,335
Chaplin, May B., et al	55.1L		0						0	158	56	79	0	0	293

TABLE B-6 (Continued)  
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF \*  
October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE-FEET
			OCT.	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT	
Chaplin, May B., et al.	56.3L		0						0						
Reclamation District No. 108	56.4R		2						1,512	3,114	2,691	1,513	2,775	621	4,234
Chaplin, May B., et al.	56.95L		0						211	1,220	1,134	1,118	986	10	4,838
Peiger Mutual Water Co.	57.25L		0						493	345	31	509	1,223	0	2,901
Title Insurance and Trust Co.	58.3L		0						0	0	155	202	58	84	04
Reclamation District No. 108	59.15R		0						0	328	335	292	11	0	1,066
Lerner, William A., et ux.	60.4L		33						278	639	564	662	499	18	2,692
Reclamation District No. 108	61.05R		0						0	0	0	0	0	0	0
Reclamation District No. 108	61.2R		0						0	45	55	85	69	1	204
Reclamation District No. 108	62.3R		0						0	201	158	151	187	62	704
Reclamation District No. 108	62.6R		15						0	7	5	29	3	6	69
Reclamation District No. 108	63.2R		0						11,197	32,228	31,914	24,853	19,190	2,681	120,063
Sutter Mutual Water Co.	63.75L		0						22,191	47,121	53,273	42,471	38,596	8,362	223,014
Oji Brothers Farm, Inc.	63.9L		0						0	307	223	461	100	0	1,191
--STAGE STATION - SACRAMENTO RIVER AT TISDALE WEIR--	64.2L														
Tisdale Irrigation and Drainage Co.	64.4L		0						103	470	492	511	408	146	2,120
Tisdale Irrigation and Drainage Co.	67.1L		0						241	1,647	1,549	1,333	1,189	492	6,451
Winship, Alan D., et al.	67.1L		0						0	43	0	59	49	0	182
Howhall Land and Farming Co.	67.5L		0						580	1,082	1,724	494	92	0	3,972
Meridian Farms Water Co.	68.8L		0						0	0	0	0	0	0	0
Reclamation District No. 108	70.4R		39						839	1,274	1,305	1,246	1,187	72	6,417
Meridian Farms Water Co.	71.1L		0						919	1,648	1,548	1,565	1,626	394	7,600
Andreotti, Otterline, et al.	72.1L		0						67	891	720	851	819	301	3,649
Meridian Farms Water Co.	74.8L		0						319	1,031	936	1,026	909	142	4,363
Devis, Olive Percy, et al.	77.8R		0						27	282	115	397	385	315	1,541
Davis, Olive Percy, et al.	78.15R		275						1,915	2,535	3,382	3,322	3,104	421	16,959
Davis, Olive Percy, et al.	78.75R		185						361	748	668	635	663	505	3,765
Davis, Olive Percy, et al.	78.8R		0						873	2,237	2,414	1,744	1,820	0	9,142
Meridian Farms Water Co.	80.0L		0						1,759	4,087	4,228	4,463	3,914	831	19,282
Tomlinson, Fred L., et al.	81.5L		0						81	186	147	97	17	0	528
Tomlinson, Fred L., et al.	81.8L		0						0	0	18	14	16	0	48
Reclamation District No. 1004	85.3L		0						0	0	12	15	2	0	24
Swinford Tract Irrigation Co.	87.7R		0						0	78	71	57	37	0	243
Colusa Irrigation Co.	89.2R		0						0	260	281	243	106	82	972
Reclamation District No. 1004	89.25L		0						0	660	387	340	373	252	2,012
Roberts Ditch Irrigation Co., Inc.	90.7R		41						472	476	447	477	379	92	2,384
--STAGE STATION - SACRAMENTO RIVER AT COLUSA WEIR--	92.4L														
Lowvorn, Wilson H., et ux.	93.15R		0						5	187	111	120	15	0	448
Wilbur, Roger C.	95.25L		79						0	282	261	324	238	16	1,298
Lewis, Joan, et al.	95.6L		395						42	923	701	759	778	201	3,800
Griffin, J. T., et al.	95.75L		0						16	65	22	151	209	104	567
Griffin, J. T., et al.	95.8L		0						0	829	720	644	283	0	2,276
Wells, Joyce	98.6L		0						95	239	279	104	101	140	958
Hunter Estate	98.6L		0						131	330	386	144	139	193	1,322
Sectane Mutual Water Co.	99.25L		0						0	978	637	829	984	717	4,125
Forry, David	99.8L		150						124	376	544	589	597	141	2,547
Forry, David	100.0L		0						0	0	64	15	87	0	246
Colusa Properties, Inc.	101.8L		0						0	120	54	290	111	0	681
Carter, Robert E.	102.9L		0						0	0	0	0	0	0	0
--STAGE STATION - SACRAMENTO RIVER AT HOULTON WEIR--	103.6R														
Maxwell Irrigation District	103.8R		88						693	1,703	1,384	1,332	924	0	6,106
Zumwalt Orchards, Inc.	104.8L		0						0	64	0	117	0	0	281
Cannell, Fred, et al.	106.0R		0						0	215	269	185	0	0	669
Reclamation District No. 1004	112.1L		2,776						3,746	14,023	13,613	11,015	10,171	1,385	61,363

TABLE B-6 (Continued)  
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF \*  
October 1974 through September 1975

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT. ACRE-Feet
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Princeton-Codora-Glenn Irrigation District	112.4R		0						2,169	4,529	5,504	4,559	3,435	1,241	21,437
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L														
Princeton-Codora-Glenn Irrigation District	123.9R		297						5,210	10,449	9,468	9,778	9,454	2,610	47,266
Provident Irrigation District	124.2R		2,290						6,748	9,923	12,333	10,441	6,895	2,105	50,735
--GAGING STATION - SACRAMENTO RIVER AT OLD FERRY--	130.1R														
M. & T., Incorporated	141.5L		38						45	186	169	504	719	226	1,887
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY--	149.5L														
Glenn-Colusa Irrigation District	154.8R		32,312						90,906	165,623	160,049	159,178	148,709	54,447	811,224
Provident Irrigation District	154.8R	Gravity	0						250	1,502	1,656	1,502	1,118	0	6,028
--RED BLUFF BRIDGE--	193.45														
SACRAMENTO RIVER, TOTAL DIVERSIONS			40,271						166,006	392,472	390,321	369,306	336,261	103,609	1,798,246

\* All data furnished by the U. S. Bureau of Reclamation. Quantities from November through March are not measured.  
a Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.

TABLE B-6 (Continued)  
DIVERSIONS - MOKELUNNE RIVER  
October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE- FEET
			OCT.	NOV.	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	
BELOW WOODBRIDGE DAM															
Albin G. Steffan	8.7R	1-12													
	10.6R	1-16	101	14		19	44		51	572	583	523	552	539	255
	12.7R	1-12	112						535	705	648	571	583	218	3,258 3,372
Cranston Vineyards	12.71L	1-6									14	5			19
Mrs. Julie Blattler	15.5R	1-4	4								31	9			44
W. G. Taddel	15.6R	1-6							5	9	22	26	24		86
Mrs. Rose J. Kinde	16.8R	1-6								1	107	56	107	11	282
James Piazza	17.96R	1-6								28	38	72	31	37	206
Warren Hargrave	18.18L	1-7 1/2										5			5
--GAGING STATION - MOKELUNNE RIVER AT WOODBRIDGE--	19.2R														
--SACRAMENTO ROAD BRIDGE--	19.8														
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
MOKELUNNE RIVER BELOW WOODBRIDGE DAM															
Total diversions			222	14		19	44		51	1,112	1,326	1,383	1,296	1,284	521
Average cubic feet per second			4	0		0	1		1	18	22	23	21	21	9

WOODBRIDGE DAM TO CAMACHUE DAM															
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
Woodbridge Irrigation District	19.9L	Gravity	8,070					684	4,270	17,040	18,580	20,160	19,040	11,630	99,474
Arthur J. Hoffman	21.85R	1-10	5					113	.67	23	12	14	10		244
C. N. Fillhardt	22.1R	1-6									3	3	4		10
James W. Baum	22.5R	1-5								1	2	5	3	1	12
Robert Peters	23.03R	1-3								1	2	2	1	1	7
Cecil Humbert	23.4R	1-4									28	22	59		109
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Occidental Petroleum Corporation	24.01L	1-4										28			28
	24.12L	1-1 1/2													
--HIGHWAY 99 BRIDGE	24.2														
R. Vaccarezza	24.8L	1-5													
Ray A. Mettler	25.2R	1-10							1		22	5	9		37
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
W. F. Johnson	26.3L	1-4								18	7		7		32
Richard Wagers	26.35L	1-2								1	3		1		5
Nakagawa Brothers	26.9R	1-5									12	12	29	34	87
James Gott	27.5L	1-5								30	44	52			126
Rose Linde	27.6L	1-8								1	12		10		23
Cranston Vineyards	27.9L	1-10						3	179	104	22	28			336
Nakagawa Brothers	27.97R	1-8									6	9	7		22
Frankie G. Dick	28.59L	1-6													
No Diversion															
Nakagawa Brothers	28.6R	1-6	6							42	9	62	38		157
	28.71R	1-4						6	2	3	8	7	7		33
Dr. A. Burley & Dr. R. Van Gelder	29.9R	1-8							35	29	19				83
Enil Bender	30.0L	1-10							4	3		1	3		11
--BRUELLA ROAD BRIDGE--	30.0														
A. Knoll	30.13L	1-8									4	12			16
V. W. Hoffman	30.15L	1-8	21						27	27	34	49	47	6	211
Hugh Davis	30.35R	1-6	3						89	24	23	25	20	1	185
J. J. Schmedt	30.95L	1-7										46			46
Leon Kirschenmann	31.0L	1-8									44	22	7		73
V. W. Hoffman and Sons	31.45R	1-5							34		1				35
Sun-Bar Ranch	31.7L	1-5										22	27	69	118
John Craffigna Estate	31.8R	1-7							194		19	32			245
Lawrence Jones	32.29L	1-14													
NO DIVERSION															

TABLE B-6 (Continued)  
DIVERSIONS - HOKELUMNE RIVER  
October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT. ACRE- FEET	
			OCT.	NOV	DEC.	JAN	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
WOODBRIDGE DAM TO CANANACHE DAM (Continued)																
North San Joaquin Water Conservation District	12.3L	3-14 1-16 1-18	268						2	344	1,678	1,724	1,980	1,778	773	8,347
John Kavtz b	32.33R	1-6								28		13	23	13		77
William J. Lange	32.8R	1-1 1/2							NO DIVERSION							
Chester M. Locke	33.25L	1-10									68	8	15	117	308	516
Cranston Vineyards	33.45R 33.6R	1-8 1-8							NO DIVERSION							
Hokelumne North Irrigation Assn., Inc.	33.69R	2-10 1-12								127	108	225	209	26		695
N. C. Locke	33.7L	1-12	2					236	19	81	213	186	1			738
T. and E. Schulerer	33.8R	1-4							15		13	12				44
Pritam Singh Ghaliwal	34.05R	1-4								14	12	8	8	1		43
Norman Knoll	34.1R 34.3R	1-4 1-4							30 20	36 31	42 26	19 13	21 15	4		148 109
--ELLIOTT ROAD BRIDGE--	34.35															
J. Mull, J. Graham, and T. Hess	34.5R	1-4							NO DIVERSION							
Dr. O. D. Jacobsen	34.55L	1-10	2							20	19	14	22	19		96
Donald Smith	34.55L	1-1 1/2	1							2	2	1	1	1		8
Agri-Management	34.6R	1-5							NO DIVERSION							
H. Sava, D. Panella, and Dr. Sackett	34.75L	1-16			76			61	59	27	66	183	127	119	16	734
Agri-Management	35.14R	1-16						8	8	23	64	65	84	41	9	302
A. Paredes, M. Gresham, and R. Tucker	35.2L	1-8	37								54	97	79	43	41	351
El Rio Vineyards	35.31R	2-10	62	33				66	42	60	66	164	231	46	92	862
Manuel Machado	35.4L	1-8	5			29		4		7	7	4	106	46		208
R. O. Mehlfaff	35.7L 35.7L	1-4 1-8				9	8	13 8	19 5	85 4	91 4	91	59	59		434 17
I. W. Quessenberry	35.9L	1-7				8					36	38	34			116
Ferdie F. Sievers	36.0L	1-6	2							36	55	71	41	16	6	227
Ossie Parker	36.45L	1-12										146	144	7		297
J. R. Widerrich	36.75L	1-5									6	18	21	19	9	73
W. L. Moffat, et al	37.45R 37.65L	1-8 1-10								118		105 58	73 105	118 75	80	414 318
Harris Vineyards c	37.7R	1-12										11	12			23
Frank Lucchesi	38.0L 38.1L	1-6 1-8								16 31		15 36		14 40		65 107
R. and R. Sutter	38.3L	1-10								44	26	125	102	2	18	317
Ruben Goehring	38.5L	1-12							NO DIVERSION							
Clements Estate	39.0L	1-12	204	1						281	461	557	388	276	180	2,348
W. S. Magee Estate	39.25L	1-5									9	7	6	8	6	36
--OLD CLEMENTS BRIDGE--	39.3															
L. and T. Oeluca	39.59L	1-4								2			9			11
Bill Wakeham	39.6L	1-6	6								42	50	50	37	39	224
J. N. Henry	39.9R	1-6							NO DIVERSION							
Samuel West d	40.48L	1-2 1/2									18	28	18	15	12	91
Claude C. Wood Company	40.52L	1-6										25	28	34	18	105
M. Ostermann	40.53L	1-6							29		17	53	33	33	41	206
C. and A. Hehten	40.72L	1-6									4	15	7	10	5	41
Harry Mason	40.83L	1-6							NO DIVERSION							
--HIGHWAY 88 BRIDGE--	41.00															
John Sutphin	41.16L	1-3									20	20	26			66
C. Fukushima and R. Nakashima	41.16R	1-2 1-8										4 81	1 49	2 16	3 18	10 164
H. P. Lesage	41.23R	1-7 1/2			3					7	7	4	10			31
L. A. Rozzoni Estate	41.40L	1-10							NO DIVERSION							
Clarence Jones	42.11R	1-8	11	2					2	9	24	35	54	17	12	166
George W. Beggs	42.64L	1-6								6	24	61	64	31	38	224
P. W. Olivera	42.66R	1-3	7								17	10	16	11	20	81



TABLE B-6 (Continued)  
DIVERSIONS - MOKELELUNGE RIVER  
October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE-FEET
			OCT.	NOV	DEC.	JAN.	FEB	MAR.	APR	MAY	JUNE	JULY	AUG	SEPT	
MOOBRIDGE DAM TO CAMANCHE DAM (Continued)															
George W. Beggs	42.97L	1-4	6						3	9	14	15	5	7	57
	42.99L	1-8	50	35					30	65	25	24	21	24	274
--CAMANCHE RECORDER - MOKELELUNGE RIVER BELOW CAMANCHE DAM--	43.00														
P. W. Olivera	43.15R	1-4	6							13	7	15	13	16	70
--CAMANCHE DAM--															
MOKELELUNGE RIVER, MOOBRIDGE DAM TO CAMANCHE DAM															
Total diversions			8,774	147	3	46	147	1,086	6,130	20,609	23,397	25,201	22,591	13,699	121,830
Average cubic feet per second			143	2	0	1	2	18	103	335	393	410	367	230	168

Note: All diversion data were furnished by the East Bay Municipal Utility District.

- a Formerly listed as Mrs. James Gott
- b Formerly listed as G. R. Kalange
- c Formerly listed as Maria Costa et al
- d Formerly listed as Dr. Donald L. Farrell

TABLE 8-7  
DELIVERIES FROM FOLSOM AND HIDBOS RESERVOIRS  
October 1974 through September 1975

Water User		Monthly Diversion in Acre-Feet												Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
<u>City of Folsom</u>														
Total acre-feet	a	1,432	1,068	862	1,118	853	1,001	939	1,120	1,362	1,543	1,578	1,563	14,419
Average cubic feet per second		23	18	14	18	15	16	16	18	23	25	26	26	20
Monthly quantities in percent of seasonal		9.9	7.4	5.9	7.8	5.9	6.9	6.3	7.8	9.5	10.7	10.9	10.8	
<u>City of Roseville</u>														
Total acre-feet	a	547	276	289	243	205	308	412	870	1,084	1,146	1,065	927	7,372
Average cubic feet per second		9	5	5	4	4	5	7	14	18	19	17	16	10
Monthly quantities in percent of seasonal		7.4	3.7	3.9	3.3	2.8	4.2	5.6	11.8	14.7	15.6	14.4	12.6	
<u>Cordova Water Service</u>														
Total acre-feet	a	651	486	383	508	388	455	427	509	619	701	717	710	6,554
Average cubic feet per second		11	8	6	8	7	7	7	8	10	11	12	12	9
Monthly quantities in percent of seasonal		9.9	7.4	5.9	7.8	5.9	7.0	6.3	7.8	9.4	10.7	10.9	10.8	
<u>San Juan Suburban Water Service</u>														
Total acre-feet	a	3,494	1,339	1,588	1,731	1,341	1,370	1,887	4,238	5,669	6,065	5,468	4,722	38,932
Average cubic feet per second		57	23	26	28	24	22	32	69	95	99	89	79	54
Monthly quantities in percent of seasonal		9.0	3.5	4.1	4.4	3.4	3.5	4.9	10.9	14.6	15.6	14.0	12.1	
<u>State of California</u>														
Total acre-feet	a	84	57	23	82	99	112	112	127	135	140	126	108	1,205
Average cubic feet per second		1	1	0	1	2	2	2	2	2	2	2	2	2
Monthly quantities in percent of seasonal		7.0	4.7	1.9	6.8	8.2	9.3	9.3	10.5	11.2	11.6	10.5	9.0	

TABLE 8-8  
IMPORTATIONS INTO NORTHEASTERN CALIFORNIA  
October 1974 through September 1975

Water User		Monthly Diversion in Acre-Feet												Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
<u>Clear Creek Powerplant</u>	a													
Total acre-feet		138,260	17,310	21,080	19,880	15,120	22,990	166,450	70,840	174,840	132,980	134,930	120,080	1,034,760
Average cubic feet per second		2,249	291	343	323	272	374	2,797	1,152	2,938	2,163	2,194	2,018	1,429
Monthly quantities in percent of seasonal		13.4	1.7	2.0	1.9	1.5	2.2	16.1	6.8	16.9	12.9	13.0	11.6	

TABLE 8-9  
EXPORTATIONS FROM NORTHEASTERN CALIFORNIA  
October 1974 through September 1975

Water User		Monthly Diversion in Acre-Feet												Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
<u>East Bay Municipal Utility District</u>		<u>MOCKINGBIRD RIVER</u>												
Total acre-feet	b	16,031	18,032	18,366	18,539	14,165	14,668	11,736	18,215	22,645	22,361	23,825	20,965	219,148
Average cubic feet per second		261	303	302	302	235	239	197	296	370	364	387	352	303
Monthly quantities in percent of seasonal		7.3	8.2	8.3	8.3	6.4	6.7	5.6	8.3	10.0	10.2	10.9	9.6	
<u>Putah South Canal</u>		<u>PUTAH CREEK</u>												
Total acre-feet	a	14,305	2,198	1,555	1,720	1,225	3,414	18,395	38,297	40,362	38,395	36,851	25,797	222,524
Average cubic foot per second	d	233	37	25	28	22	56	309	623	678	624	599	434	307
Monthly quantities in percent of seasonal	d	6.4	1.0	0.7	0.8	0.5	1.5	8.3	17.2	18.1	17.3	16.6	11.6	
<u>City of Vallejo</u>		<u>CACHE SLOUGH</u>												
Total acre-feet	c	1,422	1,252	1,159	1,106	984	1,289	1,140	1,333	1,367	1,455	1,497	1,415	15,419
Average cubic feet per second		23	21	19	18	18	21	19	22	23	24	24	24	21
Monthly quantities in percent of seasonal		9.2	8.1	7.5	7.2	6.4	8.4	7.4	8.6	8.9	9.4	9.7	9.2	
<u>Contra Costa Canal</u>		<u>OLD RIVER</u>												
Total acre-feet	a	6,036	4,235	3,650	4,138	4,602	4,503	5,768	6,875	9,929	10,745	10,518	8,150	79,146
Average cubic feet per second		98	71	59	67	83	73	97	112	167	175	171	137	109
Monthly quantities in percent of seasonal		7.6	5.4	4.6	5.2	5.8	5.7	7.3	8.7	12.5	13.6	13.3	10.3	
<u>Delta-Mendota Canal</u>														
Total acre-feet	a	211,640	0	627	165,228	232,300	231,177	250,702	242,842	237,788	283,595	276,087	216,442	2,348,628
Average cubic feet per second		3,462	0	10	2,687	4,183	3,760	4,213	3,949	3,996	4,612	4,480	3,438	3,244
Monthly quantities in percent of seasonal		9.0	0	0.1	7.0	9.9	9.8	10.7	10.3	10.1	12.1	11.8	9.2	
<u>California Aqueduct</u>														
Total acre-feet		62,156	130,990	170,760	166,859	135,353	138,998	117,508	93,428	12,292	16,495	253,345	233,444	1,509,828
Average cubic feet per second		1,011	1,865	2,777	2,714	2,437	2,288	1,975	1,519	207	268	4,123	3,923	2,086
Monthly quantities in percent of seasonal		4.1	7.3	11.3	11.0	9.0	9.1	7.8	6.2	0.8	1.1	16.8	15.5	

a Data furnished by U. S. Bureau of Reclamation.

b Data furnished by East Bay Municipal Utility District.

c Data furnished by City of Vallejo.

d Amounts are total diversion into the canal; only an unknown portion of this is exported from northeastern California.

TABLE B-10

MAXIMUM AND MINIMUM GAGE HEIGHTS

This table contains the historical maximum and the annual maximum and minimum gage heights for selected stations formerly reported in the "Daily Mean Heights" table.

Discharges corresponding to the reported maximum gage heights are included in the table. Due to possible changes in gage height-discharge relationships, the discharges may not be record or annual maximums. Discharges are rounded off in accordance with the procedures described in Table B-5, "Daily Mean Discharge".

Historic data include the location, period of record, gage height datum, and a brief description of each station.

TABLE 8-10 (Continued)  
MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: <u>SACRAMENTO RIVER AT KESWICK</u>				Station Number: A21010		Water Year: 1975	
Location:	LAT 40 36 04	LONG 122 26 36	NW Sec 28 T32N R5W MDB&M	Period of Record: 1938 to DATE			
Historic:	Maximum Gage Height: *47.20	Discharge: *186,000 cfs	Date: 2-28-40	Time:	Zero of Gage:	495.01 USCGS	
Water Year:	Maximum Gage Height: 32.20	Discharge: 78,900 cfs	Date: 1-24-70	Time:	Zero of Gage:	479.81 USCGS	
	Minimum Gage Height: 24.52	Discharge: 37,600 cfs	Date: 3-19-75	Time: 2315	Zero of Gage:	479.81 USCGS	
* - Prior to regulation by Shasta Lake							
Station located 0.8 mile below Keswick Dam, 1.6 miles below Keswick. Flow regulated by Shasta Lake. Records furnished by USGS. Drainage area, excluding Goose Lake Basin, is approximately 6,468 square miles.							
Station Name: <u>SACRAMENTO RIVER ABOVE BEND BRIDGE NEAR RED BLUFF</u>				Station Number: A02788		Water Year: 1975	
Location:	LAT 40 17 19	LONG 122 11 08	NE Sec 15 T28N R3W MDB&M	Period of Record: 1967 to DATE			
Historic:	Maximum Gage Height: 36.60	Discharge: 157,000 cfs	Date: 1-24-70	Time:	Zero of Gage:	0.00 Local	
Water Year:	Maximum Gage Height: 24.44	Discharge: 84,600 cfs	Date: 2-13-75	Time: 1130	Zero of Gage:	0.00 Local	
	Minimum Gage Height:		Date:	Time:			
Station located 2.7 miles upstream from Bend Bridge, 8.1 miles NE of Red Bluff. Records furnished by USGS. Drainage area is 8,900 square miles.							
Station Name: <u>SACRAMENTO RIVER AT VINA BRIDGE</u>				Station Number: A02700		Water Year: 1975	
Location:	LAT 39 54 34	LONG 122 05 31	NE Sec 28 T24N R2W MDB&M	Period of Record: 1945 to DATE			
Historic:	Maximum Gage Height: 91.48	Discharge: 171,000 cfs	Date: 1-24-70	Time: 0530	Zero of Gage:	100.00 USED	
Water Year:	Maximum Gage Height: 85.26	Discharge: 106,600 cfs	Date: 2-13-75	Time: 1730	Zero of Gage:	97.15 USCGS	
	Minimum Gage Height: 66.63	7,870 cfs	Date: 1-4-75	Time: 0400			
Station located 250 feet above Vina-Corning Highway Bridge, 2.6 miles SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 10,930 square miles.							
Station Name: <u>SACRAMENTO RIVER AT HAMILTON CITY</u>				Station Number: A02630		Water Year: 1975	
Location:	LAT 39 45 07	LONG 121 59 43	NE Sec 20 T22N R1W MDB&M	Period of Record: 1927 to DATE			
Historic:	Maximum Gage Height: *22.60	Discharge: 350,000 E cfs	Date: 2-28-40	Time:	Zero of Gage:	127.9 USED	
Water Year:	Maximum Gage Height: 49.65	Discharge: 158,000 cfs	Date: 1-17-74	Time: 1415	Zero of Gage:	100.0 USED	
	Maximum Gage Height: 44.99	Discharge: 103,000 cfs	Date: 2-13-75	Time: 2345	Zero of Gage:	96.5 USCGS	
	Minimum Gage Height: 28.50	7,340 cfs	Date: 9-9-75	Time: 1930			
* - Prior to regulation by Shasta Lake							
Station located at Gianella Bridge, State Highway 32, 1.0 mile NE of Hamilton City. The maximum discharges of record since February 1940 are for the main river channel and do not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 square miles.							
Station Name: <u>SACRAMENTO RIVER AT ORD FERRY</u>				Station Number: A02570		Water Year: 1975	
Location:	LAT 39 37 39	LONG 121 59 28	SE Sec 32 T21N R1W MDB&M	Period of Record: #1921 to DATE			
Historic:	Maximum Gage Height: *121.70	Discharge: 370,000 cfs	Date: 2-28-40	Time:	Zero of Gage:	0.00 USED	
Water Year:	Maximum Gage Height: 69.8	Discharge: 138,000 cfs	Date: 1-24-70	Time:	Zero of Gage:	50.00 USED	
	Maximum Gage Height: 64.05	Discharge: 101,000 cfs	Date: 2-14-75	Time: 0715	Zero of Gage:	50.00 USED	
	Minimum Gage Height: 47.27	7,690 cfs	Date: 9-10-75	Time: 0015			
* - 1921 to 1941 Flood season only							
* - Prior to regulation by Shasta Lake							
Station located 0.1 mile below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since December 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Ord Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 square miles.							
Station Name: <u>SACRAMENTO RIVER AT BUTTE CITY</u>				Station Number: A02500		Water Year: 1975	
Location:	LAT 39 27 28	LONG 121 59 35	NE Sec 32 T19N R1W MDB&M	Period of Record: 1929 to DATE			
Historic:	Maximum Gage Height: *96.87	Discharge: 170,000 cfs	Date: 2-7-42	Time:	Zero of Gage:	0.00 USED	
Water Year:	Maximum Gage Height: 90.62	Discharge: 91,000 cfs	Date: 2-14-75	Time: 1330	Zero of Gage:	0.00 USED	
	Minimum Gage Height:		Date:	Time:			
Station located at highway bridge, 0.5 mile S of Butte City. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.							
* - Prior to regulation by Shasta Lake							

TABLE 8-1 (Continued)  
MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: <u>SACRAMENTO RIVER AT COLUSA</u>				Station Number: A02420		Water Year: 1975	
Location:	LAT 39 12 51	LONG 121 59 57	NW Sec 29 T16N R1W MDB&M		Period of Record: 1919 to DATE		
Historic:	Maximum Gage Height: *69.20	Discharge: 49,000 cfs	Date: 2-8-42	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 67.68	Discharge: 48,600 cfs	Date: 1-18-74	Time:	Zero of Gage: -3.0 USCGS		
	Maximum Gage Height: 65.15	Discharge: 41,400 cfs	Date: 2-14-75	Time: 2100	Zero of Gage: -3.0 USCGS		
	Minimum Gage Height:		Date:	Time:			
* - Prior to regulation by Shasta Lake							
Station located just below bridge at Colusa. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.							
Drainage area 12,096 square miles.							
Station Name: <u>CHEROKEE CANAL NEAR RICHVALE</u>				Station Number: A02984		Water Year: 1975	
Location:	LAT 39 27 53	LONG 121 44 37	NW Sec 34 T19N R2E MDB&M		Period of Record: 1960 to DATE		
Historic:	Maximum Gage Height: 13.80	Discharge: 15,200 E cfs	Date: 10-13-62	Time:	Zero of Gage: 88.20 USCGS		
Water Year:	Maximum Gage Height: 11.50	Discharge: 7,130 cfs	Date: 2-12-75	Time: 2115	Zero of Gage: 88.20 USCGS		
	Minimum Gage Height: 1.81	Discharge: .5 cfs	Date: 10-6-74	Time: 1400			
Station located at Butte City Road Bridge, 2.1 miles S of Richvale. Backwater from Cherokee Dam weir, 1.05 miles below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.							
Station Name: <u>SACRAMENTO RIVER BELOW WILKINS SLOUGH</u>				Station Number: A02280		Water Year: 1975	
Location:	LAT 39 00 36	LONG 121 49 25	NE Sec 2 T13N R1E MDB&M		Period of Record: 1931 to DATE		
Historic:	Maximum Gage Height: *52.75	Discharge:	Date: 3-1-60	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 50.72	Discharge: 29,300 cfs	Date: 1-26-70	Time:	-3.00 USCGS		
	Maximum Gage Height: 48.58	Discharge: 27,100 cfs	Date: 3-23-75	Time: 1830	Zero of Gage: -3.00 USCGS		
	Minimum Gage Height:		Date:	Time:			
* - Prior to regulation by Shasta Lake							
Station located 0.3 mile below Wilkins Slough Pumping Plant of Reclamation District 108, 1.3 miles below Tisdale Weir, 6 miles SE of Grimes. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.							
Station Name: <u>COLUSA BASIN DRAIN AT HIGHWAY 20</u>				Station Number: A02976		Water Year: 1975	
Location:	LAT 39 11 44	LONG 122 03 34	NE Sec 34 T16N R2W MDB&M		Period of Record: 8/1924 to DATE		
Historic:	Maximum Gage Height: 51.93	Discharge: 25,400 cfs	Date: 2-21-58	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 48.14	Discharge: 2,470 cfs	Date: 2-13-75	Time: 1530	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 37.21	Discharge: 59.0 cfs	Date: 5-1-75	Time: 2030			
8 - 1924 to 1940 Irrigation season only							
Station located at State Highway 20 Bridge, 3.0 miles W of Colusa.							
Station Name: <u>COLUSA BASIN DRAIN AT KNIGHTS LANDING</u>				Station Number: A02945		Water Year: 1975	
Location:	LAT 38 47 58	LONG 121 43 27	SW Sec 14 T11N R2E MDB&M		Period of Record: 8/1924 to DATE		
Historic:	Maximum Gage Height: 36.8	Discharge:	Date: 2-10-42	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 29.36	Discharge: NA	Date: 2-14-75	Time: 1130	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 20.70	Discharge: 0.0	Date: 1-27-75	Time: 0415			
8 - 1924 to 1940 Irrigation season only							
Station located at Knights Landing Outfall Gates, 0.3 mile W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento River, combine with the flows of Reclamation District 787 to Colusa Basin Drain.							
Station Name: <u>SACRAMENTO RIVER AT KNIGHTS LANDING</u>				Station Number: A02200		Water Year: 1975	
Location:	LAT 38 48 11	LONG 121 42 55	NE Sec 14 T11N R2E MDB&M		Period of Record: 1919 to DATE		
Historic:	Maximum Gage Height: 41.83	Discharge:	Date: 2-8-42	Time:	Zero of Gage: -3.02 USCGS		
Water Year:	Maximum Gage Height: 37.29	Discharge: 27,200 cfs	Date: 3-25-75	Time: 1700	Zero of Gage: -3.02 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located just above the Southern Pacific Railroad Bridge, 13.1 miles above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS. Drainage area 14,541 square miles.							

TABLE B-10 (Continued)  
MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: <u>BUTTE SLOUGH NEAR MERIDIAN</u>				Station Number: A02972		Water Year: 1975	
Location:	LAT 39 10 20	LONG 121 54 02	NE Sec 7 T15N R1E MDB&M	Period of Record: #1934 to DATE			
Historic:	Maximum Gage Height: 61.64	Discharge: 150,000 cfs	Date: 1-26-70	Time: 0000	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 55.18	Discharge: 36,900 cfs	Date: 3-24-75	Time: 0245	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 40.00	132 cfs	Date: 9-22-75	Time: 1745			
# - 1934 to 1937 Flood season only							
Station located on right bank 0.3 mile upstream from Farlan Road, 2.0 miles NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from land irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.							
Station Name: <u>WADSWORTH CANAL NEAR SUTTER</u>				Station Number: A05929		Water Year: 1975	
Location:	LAT 39 09 12	LONG 121 44 00	NE Sec 15 T15N R2E BDB&M	Period of Record: 1961 to DATE			
Historic:	Maximum Gage Height: 53.62	Discharge: NA	Date: 1-26-70	Time:	Zero of Gage: 0.00 USED		
Water Year:	Maximum Gage Height: 47.97	Discharge: NA	Date: 2-12-75	Time: 2000	Zero of Gage: 0.00 USED		
	Minimum Gage Height: 37.71	NA	Date: 1-31-75	Time: 1415			
Station located at South Butte Road Bridge, 0.9 mile E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 miles downstream are used to determine the slope for rating of canal. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.							
Station Name: <u>YUBA RIVER NEAR MARYSVILLE</u>				Station Number: A06150		Water Year: 1975	
Location:	LAT 39 10 33	LONG 121 31 26		Period of Record: 1940 to DATE			
Historic:	Maximum Gage Height: 90.15	Discharge: 180,000 cfs	Date: 12-22-64	Time:	Zero of Gage: -2.95 USCGS		
Water Year:	Maximum Gage Height: 67.12	Discharge: 10,900 cfs	Date: 3-25-75	Time: 0730	Zero of Gage: -2.95 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 5 miles below Dry Creek, 4.2 miles northeast of Marysville. Maximum discharge listed for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 1,339 square miles.							
Station Name: <u>BEAR RIVER NEAR WHEATLAND</u>				Station Number: A06550		Water Year: 1975	
Location:	LAT 39 00 01	LONG 121 24 21	SW Sec 3 T13N R5E MDB&M	Period of Record: 1928 to DATE			
Historic:	Maximum Gage Height: 19.30	Discharge: 33,000 cfs	Date: 12-22-55	Time:	Zero of Gage: 78.92 USCGS		
Water Year:	Maximum Gage Height: 13.05	Discharge: 8,900 cfs	Date: 3-25-75	Time: 1400	Zero of Gage: 71.92 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 100 feet below U. S. Highway 99E bridge, 1 mile southeast of Wheatland. Tributary to Feather River. Flow regulated by Camp Far West Reservoir. Records furnished by U. S. Geological Survey. Drainage area is 292 square miles.							
Station Name: <u>AMERICAN RIVER AT FAIR OAKS</u>				Station Number: A07175		Water Year: 1975	
Location:	LAT 38 38 08	LONG 121 13 36	NE Sec 17 T9N R7E MDB&M	Period of Record: 1904 to DATE			
Historic:	Maximum Gage Height: 31.85	Discharge: 180,000 cfs	Date: 11-21-50	Time:	Zero of Gage: 64.79 USCGS		
Water Year:	Maximum Gage Height: 9.85	Discharge: 8,450 cfs	Date: 3-25-75	Time: 1700	Zero of Gage: 71.53 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 2,100 feet below Nimbus Dam, 2.4 miles east of Fair Oaks. Flow regulated by Folsom Lake. Maximum discharge listed at site and datum then in use. Records furnished by U. S. Geological Survey. Drainage area is 1,888 square miles.							
Station Name: <u>CACHE CREEK AT YOLO</u>				Station Number: A08125		Water Year: 1975	
Location:	LAT 38 43 31	LONG 121 48 22		Period of Record: 1903 to DATE			
Historic:	Maximum Gage Height: 85.35	Discharge: 41,400 cfs	Date: 2-25-58	Time:	Zero of Gage: 52.27 USCGS		
Water Year:	Maximum Gage Height: 69.71	Discharge: 15,000 cfs	Date: 3-22-75	Time: 0630	Zero of Gage: 0.00 USCGS		
	Minimum Gage Height:		Date:	Time:			
Station located 800 feet above U. S. Highway 99W bridge, 0.5 mile south of Yolo. Tributary to Yolo Bypass. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 1,139 square miles.							

TABLE 8-10 (CONTINUED)  
MAXIMUM AND MINIMUM GAGE HEIGHTS

<u>Station Name: YOLO BYPASS NEAR WOODLAND</u>				Station Number: A02935		Water Year: 1975	
Location:	LAT 38 04 40	LONG 121 38 35	SE Sec 28 T10N R3E MDB&M	Period of Record: 1939 to DATE			
Historic:	Maximum Gage Height:	32.00	Discharge: 272,000 cfs	Date: 2-8-42	Time:	Zero of Gage: -3.41 USCGS	
Water Year:	Maximum Gage Height:	25.70	Discharge: 36,500 cfs	Date: 3-25-75	Time: 1530	Zero of Gage: -3.41 USCGS	
	Minimum Gage Height:			Date:	Time:		

Station located just above the Sacramento-Woodland Railroad Bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.

<u>Station Name: PUTAH CREEK NEAR WINTERS</u>				Station Number: A91250		Water Year: 1975	
Location:	LAT 38 30 55	LONG 122 04 51	NE Sec 28 T8N R2W MDB&M	Period of Record: 1930 to DATE			
Historic:	Maximum Gage Height:	30.50	Discharge: 81,000 cfs	Date: 2-27-40	Time:	Zero of Gage: 160.75 USCGS	
Water Year:	Maximum Gage Height:	12.98	Discharge: 3,870 cfs	Date: 3-25-75	Time: 1315	Zero of Gage: 160.75 USCGS	
	Minimum Gage Height:			Date:	Time:		

Station located 1.3 miles below Monticello Dam, 6 miles west of Winters. Flow regulated by Lake Berryessa. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 574 square miles.

<u>Station Name: WOKELUNNE RIVER AT WOODBRIDGE</u>				Station Number: 802105		Water Year: 1975	
Location:	LAT 38 09 31	LONG 121 18 09	NE Sec 34 T4N R6E MDB&M	Period of Record: 1924 to DATE			
Historic:	Maximum Gage Height:	29.58	Discharge: 27,000 cfs	Date: 11-22-50	Time:	Zero of Gage: 14.90 USCGS	
Water Year:	Maximum Gage Height:	13.05	Discharge: 1,630 cfs	Date: 3-28-75	Time: 0930	Zero of Gage: 14.90 USCGS	
	Minimum Gage Height:			Date:	Time:		

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.

<u>Station Name: COSUMNES RIVER AT MICHIGAN BAR</u>				Station Number: 811150		Water Year: 1975	
Location:	LAT 38 30 01	LONG 121 02 39	SE Sec 36 T8N R8E MDB&M	Period of Record: 1907 to DATE			
Historic:	Maximum Gage Height:	14.59	Discharge: 42,000 cfs	Date: 12-23-55	Time:	Zero of Gage: 168.09 USCGS	
Water Year:	Maximum Gage Height:	8.53	Discharge: 11,000 cfs	Date: 3-25-75	Time: 1030	Zero of Gage: 168.09 USCGS	
	Minimum Gage Height:			Date:	Time:		

Station located on highway bridge, 5.5 miles southwest of Letrobe. Flow partly regulated by Jenkinson Lake. Records furnished by the U. S. Geological Survey. Drainage area is 536 square miles.

<u>Station Name: COSUMNES RIVER AT MCCONNELL</u>				Station Number: 801125		Water Year: 1975	
Location:	LAT 38 21 29	LONG 121 20 34	SW Sec 20 T6N R6E MDB&M	Period of Record: 1941 to DATE			
Historic:	Maximum Gage Height:	46.26	Discharge: 54,000 cfs	Date: 12-23-55	Time:	Zero of Gage: -3.34 USCGS	
Water Year:	Maximum Gage Height:	42.79	Discharge: 7,600 cfs	Date: 3-26-75	Time: 0730	Zero of Gage: -3.34 USCGS	
	Minimum Gage Height:			Date:	Time:		

Station located on U. S. Highway 99 bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles.



**TABLE B-11**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	AC2445	SACRAMENTO RIVER AT MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13					77.12								13
14					78.70								14
15					77.15								15
16					78.01								16
17													17
18						76.87							18
19						77.93							19
20						77.86							20
21						77.94							21
22						78.80							22
23						77.32							23
24						77.22							24
25						78.54							25
26						77.85							26
27													27
28													28
29													29
30													30
31													31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED  
 NR — NO RECORD  
 NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-75	1800	79.28	3-23-75	0500	79.25						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D S & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 20 18	122 01 18	SE12 17N 2W		83.8	2/7/42	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED
Station located west of south end of weir, 4.6 mi. S of Princeton. Gage heights below weir crest (elevation 76.75) are not indicative of flow over weir.											
# - Flood season only.											

**TABLE B-11 (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	AC2450	SACRAMENTO RIVER OPPOSITE MAULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	57.68	59.40	59.41	57.99	58.38	61.46	64.97	62.12	61.11	58.75	58.29	58.66	1
2	57.65	59.25	59.40	57.81	63.66	61.48	63.90	62.12	61.12	58.70	58.34	58.71	2
3	57.61	58.73	59.75	57.72	64.82	61.71	62.98	62.19	61.02	58.69	58.32	58.78	3
4	57.67	58.19	64.03	57.65	61.27	61.58	62.55	62.71	60.86	58.64	58.37	58.51	4
5	57.66	57.75	64.80	57.61	61.58	61.27	62.81	62.83	60.91	58.61	58.29	58.16	5
6	57.65	57.49	61.18	57.72	60.75	61.12	63.49	62.55	61.01	58.66	58.26	57.73	6
7	57.62	57.45	60.31	59.88	62.30	61.82	63.26	62.53	61.18	58.64	58.34	57.30	7
8	57.60	57.61	59.99	60.38	67.72	71.51	62.88	62.44	61.02	58.61	58.28	57.21	8
9	57.59	58.14	59.86	62.36	71.66	75.33	63.38	62.47	60.81	58.54	58.25	57.22	9
10	57.67	58.78	59.77	60.18	73.30	74.53	62.89	62.58	60.63	58.51	58.25	57.26	10
11	57.61	59.23	59.68	59.09	68.64	73.34	62.42	62.73	60.52	58.50	58.31	57.42	11
12	57.61	59.27	59.69	58.59	65.30	71.60	62.00	62.77	60.45	58.46	58.27	57.51	12
13	57.62	59.35	59.68	58.30	72.85	69.94	62.20	62.81	60.39	58.46	58.32	57.55	13
14	57.67	59.37	59.74	58.13	78.91	69.17	62.32	62.91	60.29	58.45	58.22	57.53	14
15	57.65	59.34	59.76	58.00	76.82	68.76	62.90	63.14	60.26	58.46	58.23	57.55	15
16	57.62	59.39	59.70	57.92	71.48	68.04	62.35	63.25	60.31	58.62	58.24	57.58	16
17	57.56	59.38	59.67	57.83	69.15	68.41	61.40	63.12	60.26	58.70	58.27	57.57	17
18	57.55	59.40	59.44	57.75	67.96	68.97	61.31	63.01	60.14	58.62	58.43	57.57	18
19	57.54	59.42	58.94	57.72	66.68	74.99	61.14	63.06	60.03	58.54	58.37	57.61	19
20	57.86	59.41	58.62	57.69	67.02	77.94	61.16	63.09	59.79	58.49	58.83	57.63	20
21	58.36	59.45	58.56	57.66	68.39	77.89	60.91	62.52	59.61	58.47	58.71	57.67	21
22	58.57	59.48	58.48	57.63	66.73	77.98	60.55	62.00	59.33	58.44	58.58	57.71	22
23	58.63	59.53	58.43	57.61	65.48	79.08	60.58	61.78	59.15	58.38	58.52	57.70	23
24	58.24	59.47	58.38	57.56	64.79	76.60	60.74	61.49	59.09	58.32	58.47	57.68	24
25	57.74	59.46	58.36	57.57	64.36	76.37	62.03	61.36	59.07	58.34	58.47	57.68	25
26	57.70	59.45	58.17	57.58	63.69	78.77	63.22	61.31	59.03	58.45	58.45	57.71	26
27	57.73	59.57	57.83	57.54	62.79	77.44	62.47	61.19	59.01	58.36	58.47	57.73	27
28	57.98	59.46	60.94	57.53	61.87	73.58	61.85	61.15	58.93	58.35	58.49	57.87	28
29	58.27	59.42	61.82	57.52		71.17	61.45	61.14	58.82	58.33	58.54	57.93	29
30	58.58	59.42	58.93	57.48		68.99	61.63	61.12	58.79	58.43	58.60	57.90	30
31	58.94		58.23	57.48		66.72		61.12		58.29	58.68		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-75	1800	79.63	3-23-75	0545	79.67						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W		85.5	2/7/42 12/24/64	MAR 54-DATE 13	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43 # OCT 43-DATE			0.00	USED
Station located immediately W of weir, 4.8 mi. S of Princeton.											
13 - Irrigation season only.											
# - Flood season only.											

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02430	SACRAMENTO RIVER AT COLUSA WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8						63.52							8
9					62.90	64.41							9
10					63.81	64.17							10
11					62.33	63.61							11
12						62.96							12
13					62.88	62.33							13
14					65.98	61.94							14
15					65.42	61.85							15
16					63.05								16
17					62.04								17
18						62.45							18
19						64.04							19
20						65.41							20
21						65.61							21
22						65.42							22
23						66.07							23
24						65.04							24
25						64.71							25
26						65.72							26
27						65.41							27
28						63.73							28
29						62.71							29
30						62.05							30
31													31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-75	2200	66.40	3-9-75	2400	64.52	3-23-75	0830	66.25			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #			0.00	USED
Station located at north end of weir, 2.0 mi. N of Colusa. Gage heights below weir crest (elevation 61.80 ft.) are not indicative of flow over weir. # - Flood season only.											

**TABLE B-11 (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02380	SACRAMENTO RIVER AT MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1			NR	39.92	39.14	45.03	51.63	45.12	44.01	40.69	39.73	40.49	1	
2			NR	39.55	43.93	44.81	49.81	45.46	44.00	40.61	39.68	40.51	2	
3			NR	39.28	50.28	44.96	48.07	45.47	43.98	40.53	39.77	40.77	3	
4			NR	39.09	46.95	45.03	46.91	45.85	43.89	40.45	39.66	40.62	4	
5			NR	38.95	45.28	44.72	46.74	46.48	43.79	40.37	39.64	40.27	5	
6			NR	38.98	44.70	44.41	47.56	46.18	43.76	40.30	39.62	39.93	6	
7			NR	40.49	45.09	44.72	48.00	45.90	43.91	40.26	39.59	39.25	7	
8			NR	42.59	50.56	52.41	47.25	45.91	43.98	40.25	39.58	38.86	8	
9			NR	45.55	55.78	57.71	47.43	45.82	43.88	40.22	39.56	38.75	9	
10	N	N	NR	44.49	57.22	57.71	47.48	45.97	43.69	40.16	39.55	38.75	10	
11	O	O	NR	42.07	55.50	57.20	46.62	46.21	43.48	40.11	39.58	38.92	11	
12			NR	40.93	52.15	56.67	45.98	46.34	43.27	40.06	39.51	39.02	12	
13			NR	40.31	54.75	55.97	45.77	46.42	43.09	40.02	39.58	39.15	13	
14	R	R	NR	39.94	58.91	55.50	46.10	46.49	42.93	39.99	39.56	39.18	14	
15			NR	39.67	58.89	55.20	46.54	46.76	42.79	39.96	39.54	39.18	15	
16	E	E	NR	39.49	56.83	54.53	46.81	47.10	42.69	39.95	39.52	39.21	16	
17	C	C	NR	39.33	55.58	54.57	45.30	47.10	42.64	40.08	39.54	39.20	17	
18			NR	39.15	54.56	54.59	44.66	46.96	42.57	40.16	39.75	39.16	18	
19	O	O	NR	39.09	53.32	57.38	44.50	46.86	42.45	40.16	39.92	39.08	19	
20			40.46	39.06	52.53	58.71	44.29	46.95	42.31	40.13	40.34	39.07	20	
21	R	R		40.23	39.10	54.55	59.07	44.11	46.74	42.10	40.10	40.53	39.08	21
22	D	D		40.11	39.08	53.40	58.82	43.51	45.72	41.90	40.08	40.49	39.11	22
23				40.01	39.05	51.79	59.47	43.32	45.09	41.65	40.04	40.43	39.13	23
24				39.93	39.03	50.63	58.70	43.39	44.70	41.41	39.98	40.38	39.13	24
25				39.88	39.02	49.73	58.20	44.29	44.39	41.24	39.93	40.32	39.11	25
26				39.78	39.02	48.88	59.01	46.75	44.33	41.12	39.91	40.27	39.06	26
27				39.36	38.95	47.57	58.97	46.41	44.26	41.02	39.90	40.23	39.04	27
28				40.61	38.83	46.09	57.62	45.41	44.18	40.95	39.88	40.20	39.05	28
29				46.08	38.76		56.61	44.70	44.13	40.87	39.84	40.19	39.17	29
30				42.71	38.71		55.65	44.49	44.10	40.78	39.81	40.24	39.24	30
31				40.67	38.71		53.82		44.05		39.78	40.42		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-75	0145	59.53	3-23-75	1145	59.62						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 08 42	121 55 00	SEL3 15N 1W		64.4 60.59	3/1/40 1/7/65	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-OCT 69	1915-OCT 69 DEC 74-DATUM			0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Recorder reinstalled December 1974 for stage only.

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1							46.03						1
2													2
3													3
4													4
5													5
6													6
7													7
8					46.16	47.05							8
9					47.35	47.92							9
10					47.91	47.95							10
11					47.54	47.86							11
12					46.38	47.77							12
13					46.94	47.99							13
14					48.57	47.45							14
15					48.61	47.34							15
16					47.97	47.11							16
17					47.58	47.06							17
18					47.27	47.04							18
19					46.85	47.77							19
20					46.41	48.22							20
21					47.09	48.43							21
22					46.77	48.41							22
23					46.05	48.72							23
24					45.54	48.50							24
25						48.19							25
26						48.39							26
27						48.45							27
28						48.10							28
29						47.79							29
30						47.52							30
31						46.94							31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-75	0515	48.84	3-23-75	1615	48.78						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF\$	GAGE HT	DATE			FROM	TO		
39 01 36	121 49 16	N835 14N 1E		53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED
Station located west of north end of weir, 5.0 mi. SE of Grimes. Gage heights below weir crest (elevation 45.45 ft.) are not indicative of flow over weir. # - Flood season only.											

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02971	BUTTE SLOUGH AT MASON BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		43.16	43.97	43.12	41.89	46.64	49.06	44.17	45.60	42.13	42.78	43.77	1
2		43.48	44.00	42.67	44.69	46.42	49.00	43.53	47.65	42.37	42.83	43.73	2
3		43.08	44.31	42.28	46.97	46.45	48.38	42.72	47.57	42.23	42.06	43.85	3
4		42.48	45.50	41.86	47.25	46.49	47.93	42.65	45.40	42.39	43.01	44.91	4
5		41.93	47.10	41.75	47.49	46.28	47.66	42.43	45.45	42.00	43.05	43.63	5
6			41.76	47.11	41.75	47.98	46.07	47.52	45.49	43.10	43.04	43.47	6
7			41.77	46.33	42.36	47.99	46.25	47.33	45.61	43.24	43.08	43.11	7
8			41.76	45.74	44.21	48.41	46.87	47.23	45.51	43.01	43.11	42.90	8
9			41.79	45.40	45.11	48.60	50.78	47.12	45.26	42.84	43.07	43.09	9
10	N	42.25	45.09	45.52	51.56	53.26	47.03	42.63	44.94	42.85	42.83	43.10	10
11			42.99	44.74	44.50	52.66	53.53	46.06	43.05	44.61	42.86	42.79	11
12	C	43.25	44.42	43.57	51.90	53.16	46.83	43.60	43.99	42.90	42.73	43.15	12
13		43.35	44.18	43.00	51.74	52.21	46.69	44.03	43.29	43.00	42.75	43.22	13
14	R	43.40	44.03	42.67	54.69	51.19	46.55	44.05	42.98	42.99	42.83	43.24	14
15		43.41	43.99	42.37	56.54	50.09	46.41	43.83	43.01	42.01	42.87	43.24	15
16	E	43.41	43.92	42.16	55.74	49.32	46.37	43.81	43.37	42.92	42.97	43.18	16
17		43.44	43.85	41.92	53.53	48.69	46.28	44.16	43.44	43.13	42.99	43.04	17
18	C	43.40	43.67	41.76	52.35	48.35	46.02	44.62	43.38	43.26	42.78	42.56	18
19	O	43.55	43.19	41.75	51.09	49.88	45.88	45.06	43.39	43.28	42.00	42.24	19
20		43.63	42.47	41.83	50.34	53.46	45.69	43.92	43.39	43.24	43.09	42.17	20
21	R		43.69	42.11	42.18	49.46	55.09	45.54	46.36	43.30	42.98	43.26	21
22		43.73	42.00	42.22	48.82	55.85	45.05	46.56	43.16	42.88	43.11	42.08	22
23	D	43.82	41.91	42.21	48.38	56.75	44.79	46.34	42.87	42.77	43.13	42.07	23
24		43.88	41.85	42.33	48.05	56.82	44.61	46.05	42.70	42.75	43.05	41.80	24
25		43.86	41.84	42.42	47.77	56.19	44.72	45.83	42.71	42.75	43.05	41.81	25
26		43.89	41.81	42.27	47.51	56.03	45.21	45.85	42.73	42.78	43.06	41.80	26
27		43.99	41.76	42.01	47.31	56.63	45.61	45.79	42.74	42.73	43.09	41.79	27
28		44.03	42.27	41.78	47.10	55.87	45.47	45.73	42.78	42.59	43.10	41.76	28
29		43.98	45.53	41.75		54.31	45.04	45.72	42.73	42.46	43.13	41.75	29
30		43.97	45.19	41.75		52.73	44.62	45.71	42.65	42.75	43.28	41.75	30
31	42.59		43.94	41.75		51.37		45.69		42.84	43.53		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-75	1500	56.75	3-24-75	0300	57.15						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 11 14	121 54 28	SE31 16N 1E				JAN 39-SEP 66	NOV 34-MAY 37 #1 OCT 37-SEP 66 JAN 73	1934		0.00	USED

Station located at West Butte-Meridian Highway bridge, 3.0 mi. N of Meridian. Tributary to Sutter Bypass. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and Colusa Weirs. Stage only, for flow figures - see Butte Slough near Meridian.

# - Flood season only.

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.41	16.91	21.42	18.43	16.08	21.54	31.23	20.28	19.26	15.96	17.11	18.91	1
2	17.41	17.24	21.42	17.61	20.12	20.46	29.31	20.22	19.20	15.26	17.19	18.83	2
3	17.21	17.27	21.56	17.08	24.95	19.91	27.82	20.51	19.41	15.23	17.21	19.03	3
4	17.24	16.82	21.98	16.85	26.20	19.81	26.60	20.88	19.53	15.26	17.09	19.27	4
5	17.38	16.19	23.76	16.72	25.75	19.80	25.37	21.19	19.67	15.31	17.26	19.24	5
6	17.41	15.69	24.99	16.71	24.40	19.68	24.49	21.59	20.26	15.40	17.17	19.01	6
7	17.38	15.29	24.40	17.10	22.98	19.70	23.99	21.32	20.92	15.46	17.14	19.14	7
8	17.34	15.30	23.44	18.72	22.56	21.40	23.49	20.97	21.53	15.51	17.12	18.58	8
9	17.39	15.38	22.71	20.09	24.80	25.49	22.87	20.85	21.69	15.47	17.12	18.38	9
10	17.39	15.63	22.20	20.98	27.55	27.79	22.59	21.01	21.67	15.28	17.20	18.61	10
11	17.48	15.99	21.31	20.23	29.39	30.27	22.24	21.44	21.39	15.25	17.00	18.80	11
12	17.48	16.55	20.26	19.28	30.06	31.59	21.65	21.64	20.90	15.65	16.90	18.90	12
13	17.53	16.85	19.72	18.26	31.11	31.89	21.11	22.00	20.38	16.39	16.83	18.91	13
14	17.39	17.06	19.43	17.53	34.00	31.66	20.77	22.26	19.75	16.70	16.87	18.81	14
15	17.44	18.16	18.90	16.96	34.56	30.98	20.76	22.42	19.38	16.81	16.90	18.66	15
16	17.37	18.67	18.64	16.54	34.69	30.25	20.92	22.54	18.95	16.91	16.97	18.48	16
17	17.35	18.80	18.56	16.25	34.02	29.54	20.62	22.64	18.88	17.21	17.14	18.27	17
18	17.30	18.83	18.46	16.11	33.08	28.93	19.98	22.56	18.44	17.54	17.35	18.28	18
19	17.17	18.96	18.26	15.90	31.76	28.64	19.64	22.38	17.85	17.38	17.76	18.14	19
20	17.20	19.07	17.87	15.93	30.48	29.29	19.44	22.63	17.46	17.30	18.12	18.22	20
21	17.30	19.24	17.52	16.38	29.45	31.08	19.17	23.19	17.15	17.34	18.38	17.67	21
22	17.66	19.94	17.36	16.36	28.90	33.92	18.85	22.76	16.95	17.42	18.50	17.17	22
23	17.95	20.48	17.15	16.34	28.25	34.76	18.39	21.81	16.66	17.69	18.39	16.94	23
24	17.89	20.69	16.99	16.18	27.36	34.93	18.41	20.64	16.36	17.61	18.31	16.83	24
25	17.10	20.88	16.94	16.04	26.35	35.03	18.76	19.68	16.21	17.45	18.08	16.73	25
26	15.93	21.02	16.97	15.99	25.27	35.07	19.69	19.34	16.33	17.49	18.10	16.54	26
27	15.61	21.19	16.92	15.83	24.09	34.91	20.54	19.01	16.33	17.96	18.13	16.45	27
28	15.73	21.35	17.23	15.66	22.86	34.75	20.75	19.29	15.90	17.18	18.16	16.39	28
29	16.09	21.39	19.34	15.96		34.30	20.78	19.45	15.74	17.22	18.30	16.42	29
30	16.30	21.39	20.35	15.28		33.64	20.55	19.34	15.57	17.11	18.39	16.47	30
31	16.55		19.56	15.27		32.76		19.36		17.13	18.71		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-25-75	1630	35.13									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
							1915 - DATE			0.00	USED
Station located on west levee, 3.7 ml. SE of Knights Landing											



**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.60	18.83	22.51	19.75	17.54	22.74	32.40	21.66	20.67	16.76	18.02	19.93	1
2	18.64	19.35	22.51	19.01	21.07	22.05	29.90	21.79	20.53	16.74	18.09	19.94	2
3	18.45	19.36	22.60	18.52	26.77	21.78	27.80	22.05	20.67	16.69	18.11	20.08	3
4	18.49	18.79	23.16	18.29	27.56	21.85	26.31	22.44	20.70	16.74	18.01	20.23	4
5	18.59	18.04	25.87	18.17	26.13	21.81	25.06	22.88	20.80	16.68	18.12	20.15	5
6	18.64	17.41	26.72	18.12	24.57	21.67	24.95	23.24	21.36	16.76	18.05	19.82	6
7	18.60	16.95	25.33	18.43	23.48	21.60	25.18	22.91	21.97	16.81	18.03	19.64	7
8	18.56	16.95	24.31	20.27	24.22	23.75	25.04	22.59	22.48	16.86	18.04	19.26	8
9	18.58	17.03	23.70	21.78	27.58	28.37	24.28	22.50	22.59	16.79	18.03	19.07	9
10	18.61	17.43	23.32	23.02	29.82	29.45	24.37	22.69	22.55	16.62	18.10	19.25	10
11	18.69	18.03	22.58	21.87	30.75	31.21	24.02	23.11	22.28	16.56	17.93	18.60	11
12	18.69	18.63	21.71	20.74	30.76	32.72	23.28	23.34	21.85	16.89	17.81	19.63	12
13	18.73	18.85	21.25	19.72	32.16	33.06	22.77	23.63	21.29	17.41	17.76	19.71	13
14	18.63	19.01	20.96	19.04	34.69	32.91	22.60	23.80	20.84	17.70	17.86	19.75	14
15	18.68	19.72	20.58	18.55	35.06	32.54	22.48	23.97	20.47	17.81	17.86	19.56	15
16	18.64	20.15	20.36	18.17	35.13	32.52	22.95	24.18	20.13	17.96	17.89	19.46	16
17	18.58	20.21	20.32	17.89	34.63	32.52	22.69	24.34	20.05	18.26	18.02	19.37	17
18	18.50	20.25	20.18	17.75	33.99	32.52	21.81	24.26	19.61	18.55	18.29	19.30	18
19	18.40	20.38	19.96	17.56	32.84	31.08	21.43	24.07	19.10	18.44	18.69	19.11	19
20	18.44	20.48	19.47	17.62	31.12	30.72	21.16	24.31	18.78	18.40	19.08	19.04	20
21	18.61	20.62	19.06	17.89	30.51	32.20	20.92	24.62	18.53	18.36	19.46	18.76	21
22	19.03	21.17	18.93	17.91	29.78	34.51	20.47	23.91	18.24	18.36	19.57	18.38	22
23	19.34	21.66	18.80	17.90	28.85	35.20	19.96	22.95	17.95	18.52	19.40	18.20	23
24	19.37	21.84	18.63	17.76	27.74	35.32	19.89	21.98	17.58	18.48	19.30	18.13	24
25	18.72	22.02	18.59	17.65	26.76	35.42	20.26	21.26	17.34	18.33	19.15	18.00	25
26	17.63	22.14	18.56	17.60	25.96	35.44	21.63	20.94	17.47	18.38	19.14	17.87	26
27	17.27	22.29	18.43	17.45	25.05	35.33	22.63	20.75	17.51	18.44	19.10	17.79	27
28	17.46	22.45	18.67	17.23	23.94	35.22	22.40	20.82	17.23	18.13	19.13	17.75	28
29	17.75	22.48	21.30	17.18		34.85	22.17	20.86	17.04	18.11	19.26	17.79	29
30	18.04	22.48	22.38	16.96		34.40	21.81	20.74	16.87	18.04	19.43	17.84	30
31	18.38		21.02	16.89		33.87		20.71		18.06	19.74		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/6/74	0230	27.10	2/16/75	0530	35.22	3/13/75	1430	33.12	3/25/75	1600	35.60

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CFS	GAGE HT				FROM	TO	
38 45 34	121 39 59	NW 32 11N 3E		39.7	12-23-1955		AUG 1934-DATE	1934		0.00 USED

Station located 0.1 mile west of weir, 4.0 miles southeast of Knights Landing.

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02160	SACRAMENTO RIVER AT FREMONT WEIR, EAST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13					33.50								13
14					34.16								14
15					34.47								15
16													16
17					34.55								17
18					34.09								18
19					33.54								19
20													20
21							33.50						21
22							33.98						22
23							34.59						23
24							34.71						24
25							34.83						25
26							34.85						26
27							34.74						27
28							34.63						28
29							34.32						29
30							33.81						30
31							33.50						31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-16-75	0600	34.61	3-25-75	1600	34.98						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R. M.O.B & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 45 55	121 38 05	SW 27 11N 3E		39.3	3-10-1940		APR 1935-DATE	1935		0.00	USED
Station located approximately 200 feet north of weir, 5.2 miles southeast of Knights Landing. Gage heights recorded only during periods when there is spill over weir.											

**TABLE B-11 (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.51	0.89	0.93	0.93	0.62	0.51	0.51	0.52	0.52	0.53	0.58	NR	1
2	0.51	0.87	0.93	0.93	0.58	0.51	0.51	0.53	0.52	0.53	0.57	NR	2
3	0.51	0.91	0.93	0.93	0.51	0.51	0.52	0.53	0.51	0.53	0.57	NR	3
4	0.52	0.92	0.93	0.90	0.52	0.51	0.52	0.53	0.51	0.53	0.57	NR	4
5	0.51	0.92	0.93	0.88	0.52	0.51	0.52	0.53	0.52	0.53	0.57	NR	5
6	0.51	0.92	0.91	0.93	0.51	0.51	0.52	0.53	0.51	0.53	0.57	NR	6
7	0.51	0.92	0.91	0.93	0.51	0.52	0.52	0.53	0.52	0.53	0.57	NR	7
8	0.51	0.92	0.91	0.94	0.52	0.52	0.52	0.53	0.51	0.53	0.57	NR	8
9	0.51	0.91	0.91	0.94	0.52	0.52	0.52	0.53	0.51	0.53	0.57	NR	9
10	0.51	0.92	0.91	0.92	0.51	0.52	0.52	0.53	0.54	0.53	0.57	NR	10
11	0.51	0.92	0.91	0.90	0.51	0.52	0.52	0.53	0.53	0.53	0.57	NR	11
12	0.50	0.92	0.91	0.88	0.55	0.51	0.51	0.53	0.52	0.53	0.57	NR	12
13	0.51	0.92	0.90	0.93	0.53	0.52	0.51	0.52	0.52	0.53	0.57	NR	13
14	0.51	0.92	0.89	0.96	0.51	0.52	0.51	0.52	0.51	0.53	0.57	NR	14
15	0.52	0.93	0.88	0.95	0.48	0.51	0.52	0.52	0.52	0.54	0.58	NR	15
16	0.77	0.93	0.89	0.95	0.48	0.51	0.52	0.52	0.52	0.57	0.58	NR	16
17	0.88	0.93	0.90	0.95	0.50	0.52	0.52	0.52	0.52	0.57	0.57	NR	17
18	0.88	0.94	0.91	0.94	0.51	0.52	0.52	0.52	0.52	0.58	0.58	0.55	18
19	0.87	0.93	0.90	0.93	0.51	0.52	0.52	0.52	0.51	0.57	0.58	0.56	19
20	0.87	0.93	0.89	0.93	0.51	0.52	0.51	0.51	0.51	0.57	0.58	0.56	20
21	0.87	0.93	0.89	0.94	0.51	0.53	0.51	0.51	0.51	0.57	0.58	0.55	21
22	0.88	0.93	0.91	0.95	0.50	0.53	0.52	0.51	0.51	0.57	0.58	0.55	22
23	0.88	0.93	0.94	0.94	0.50	0.52	0.52	0.52	0.51	0.57	0.57	0.54	23
24	0.88	0.93	0.94	0.93	0.50	0.52	0.52	0.52	0.51	0.56	0.57	0.54	24
25	0.87	0.93	0.92	0.91	0.50	0.52	0.52	0.52	0.52	0.54	0.58	0.55	25
26	0.89	0.93	0.92	0.91	0.51	0.51	0.52	0.51	0.53	0.54	0.58	0.55	26
27	0.92	0.93	0.94	0.94	0.51	0.51	0.52	0.52	0.53	0.54	0.58	0.55	27
28	0.91	0.93	0.94	0.95	0.51	0.51	0.51	0.51	0.53	0.55	0.58	0.55	28
29	0.86	0.93	0.93	0.94	0.50	0.52	0.52	0.51	0.53	0.55	0.57	0.55	29
30	0.87	0.93	0.93	0.94	0.50	0.52	0.52	0.51	0.53	0.57	0.57	0.55	30
31	0.89		0.94	0.94		0.50		0.52		0.57	0.57		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-13-75	1400	1.13									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 31 18	121 32 48	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow is regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum).

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	78.00	76.23	78.97	76.21	76.03	75.36	75.21	78.19	76.32	75.72	77.25	76.65	1
2	77.98	76.21	78.94	76.30	75.87	75.35	75.11	78.50	76.33	75.71	77.04	76.66	2
3	78.00	76.23	78.95	76.29	75.66	75.33	75.00	78.95	76.32	75.72	77.14	76.64	3
4	77.98	76.24	78.96	76.25	75.55	75.33	74.90	79.00	76.57	75.71	77.10	76.65	4
5	77.91	76.26	78.93	76.26	75.42	75.34	74.87	78.99	77.51	75.71	77.09	76.65	5
6	77.93	76.26	78.94	76.27	75.38	75.35	74.85	78.98	78.25	75.72	77.09	76.64	6
7	77.93	76.28	78.91	76.30	75.38	74.42	74.85	78.99	78.62	75.72	77.01	76.61	7
8	77.96	76.25	78.91	76.31	75.40	75.43	74.85	78.99	78.65	75.72	77.00	76.64	8
9	77.94	76.24	78.78	76.29	75.44	75.42	74.84	79.04	78.64	75.72	77.00	76.66	9
10	77.94	76.23	78.09	76.29	75.43	75.40	74.84	79.07	78.65	75.72	76.67	76.66	10
11	77.94	76.24	77.35	76.25	75.40	75.36	74.83	79.05	78.32	76.34	76.63	76.66	11
12	77.90	76.25	77.03	76.24	75.47	75.36	74.82	79.11	77.89	76.91	76.64	76.65	12
13	77.88	76.49	76.91	76.25	75.66	75.38	74.83	79.17	77.48	77.36	76.64	76.65	13
14	77.92	77.72	76.35	76.32	75.54	75.36	74.84	79.16	76.97	77.42	76.62	76.63	14
15	77.92	77.98	76.26	76.30	75.46	75.38	74.83	79.13	76.68	77.39	76.64	76.62	15
16	77.91	77.98	76.25	76.25	75.40	75.38	74.81	79.11	76.63	77.40	76.64	76.60	16
17	77.89	77.98	76.29	76.12	75.38	75.39	74.81	78.79	76.08	77.35	76.64	76.61	17
18	77.88	78.02	76.29	76.07	75.39	75.40	74.82	78.39	75.82	77.32	76.65	76.59	18
19	77.84	78.03	76.26	76.04	75.40	75.38	74.82	78.34	75.79	77.31	76.67	76.61	19
20	77.82	78.03	76.26	76.04	75.36	75.37	74.80	78.03	75.78	77.33	76.67	76.29	20
21	77.84	78.53	76.26	76.06	75.34	75.43	75.09	77.49	75.77	77.33	76.66	75.87	21
22	77.87	78.93	75.59	76.07	75.35	75.44	75.42	77.35	75.73	77.35	76.66	75.82	22
23	77.73	78.93	75.44	76.07	75.34	75.41	75.68	76.94	75.74	77.34	76.64	75.82	23
24	77.02	78.94	75.43	76.04	75.34	75.42	76.09	76.51	75.73	77.34	76.63	75.82	24
25	76.31	78.96	75.80	76.03	75.33	75.39	76.64	76.32	75.73	77.35	76.64	75.82	25
26	76.24	78.95	75.76	76.02	75.33	75.36	77.16	76.32	75.73	77.33	76.64	75.82	26
27	76.24	78.95	76.32	76.04	75.32	75.35	77.59	76.32	75.73	77.31	76.67	75.81	27
28	76.27	78.97	76.31	76.08	75.33	75.33	78.05	76.31	75.73	77.30	76.64	75.82	28
29	76.22	78.99	75.56	76.06	75.32	75.32	78.15	76.32	75.73	77.32	76.63	75.83	29
30	76.23	78.98	76.28	76.05	75.32	75.32	78.18	76.33	75.71	77.31	76.64	75.84	30
31	76.24		76.17	76.13		75.28		76.32		77.29	76.64		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E	— ESTIMATED																								
NR	— NO RECORD																								
NF	— NO FLOW																								
	<table><tr><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th><th>DATE</th><th>TIME</th><th>STAGE</th></tr><tr><td>11-28-74</td><td>2300</td><td>78.99</td><td>4-30-75</td><td>1745</td><td>78.33</td><td>5-14-75</td><td>0915</td><td>79.22</td><td>6-7-75</td><td>2030</td><td>78.73</td></tr></table>	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	11-28-74	2300	78.99	4-30-75	1745	78.33	5-14-75	0915	79.22	6-7-75	2030	78.73
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE														
11-28-74	2300	78.99	4-30-75	1745	78.33	5-14-75	0915	79.22	6-7-75	2030	78.73														

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1.4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	FROM	TO	ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE							
39 22 01	121 38 43	SW 33 18N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37 # OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929	1929		0.00 -2.91	USED USCGS

Station located near highway bridge, 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left-bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

# - Flood season only.

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	43.15	41.08	45.41	41.92	41.47	40.18	40.78	43.70	41.90	40.44	42.80	42.06	1
2	43.15	41.03	45.41	41.82	44.84	40.09	41.11	43.78	42.11	40.46	42.54	42.09	2
3	43.15	40.98	45.51	41.85	44.02	40.08	41.18	44.18	42.10	40.51	42.37	42.08	3
4	43.15	40.94	45.57	41.80	42.79	40.25	41.15	44.44	42.18	40.44	42.53	42.08	4
5	43.15	40.90	45.50	41.79	41.78	40.33	41.33	44.53	43.04	40.43	42.52	42.08	5
6	43.13	40.87	45.45	41.89	41.05	40.43	41.40	44.46	44.19	40.44	42.54	42.07	6
7	43.12	40.87	45.38	42.38	40.65	40.63	41.28	44.41	44.67	40.42	42.47	42.08	7
8	43.12	40.90	45.17	42.55	40.83	41.82	41.27	44.39	44.98	40.38	42.41	42.07	8
9	43.13	40.89	45.30	42.33	42.17	41.56	41.11	44.43	45.25	40.39	42.42	42.14	9
10	43.14	40.87	44.63	42.20	42.31	41.01	41.17	44.54	45.29	40.38	42.23	42.14	10
11	43.14	40.85	43.59	42.12	41.05	40.85	41.08	44.50	45.08	40.78	41.99	42.15	11
12	43.14	40.83	42.83	41.94	40.92	40.67	41.05	44.61	44.48	41.57	41.97	42.14	12
13	43.12	40.83	42.76	41.81	42.20	40.63	40.90	44.87	44.08	42.28	41.97	42.14	13
14	43.11	42.50	42.22	41.65	45.37	40.83	40.93	44.90	43.69	42.54	41.98	42.13	14
15	43.10	43.04	41.92	41.28	42.43	40.76	41.03	44.84	43.32	42.55	41.97	42.11	15
16	43.10	43.09	41.88	41.25	41.03	41.02	41.01	44.87	43.20	42.56	41.97	42.08	16
17	43.09	43.08	41.89	41.05	40.59	40.96	41.00	44.63	42.73	42.50	41.98	42.06	17
18	43.08	43.19	41.90	41.04	40.46	41.09	41.03	44.18	42.09	42.45	42.02	42.03	18
19	43.06	43.30	41.86	40.95	40.37	41.26	40.97	44.00	41.77	42.45	42.04	42.04	19
20	43.04	43.38	41.87	40.95	40.53	41.87	40.94	44.10	41.56	42.48	42.05	41.89	20
21	43.02	43.76	41.88	41.05	40.71	41.48	40.99	43.23	41.07	42.52	42.05	41.45	21
22	43.01	44.71	41.83	41.07	40.61	43.00	41.19	43.07	40.87	42.79	42.05	41.19	22
23	43.02	44.86	41.79	41.05	40.58	42.03	41.41	42.58	40.79	42.83	42.05	41.16	23
24	42.92	45.00	41.84	40.97	40.54	41.72	41.58	41.55	40.59	42.84	42.06	41.14	24
25	42.47	45.13	41.82	40.94	40.50	44.45	42.13	41.12	40.82	42.86	42.05	41.13	25
26	41.88	45.26	41.80	40.88	40.47	44.06	41.98	41.10	41.03	42.84	42.06	41.12	26
27	41.52	45.41	41.90	40.84	40.44	42.29	42.50	41.22	40.77	42.65	42.06	41.11	27
28	41.39	45.42	42.21	40.82	40.41	41.89	43.21	41.61	40.39	42.74	42.04	41.12	28
29	41.25	45.44	42.17	40.69		41.72	43.67	41.63	40.38	42.79	42.02	41.12	29
30	41.16	45.43	42.03	40.63		41.63	43.67	41.78	40.48	42.78	42.02	41.10	30
31	41.12		41.96	40.75		41.49		42.10		42.75	42.06		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED		DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
NR — NO RECORD		12/4/74	0945	45.61									
NF — NO FLOW		2/13/75	1600	48.62	3/25/75	1930	45.17	5/14/75	0715	44.94	6/9/75	1930	45.36

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC. T. & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 08 20	121 36 17	NE 23 15N 3E		82.42	12-24-1955	JUL 44-OCT 45 M JAN 46-SEPT 63	NOV 1943-DATE	1943		0.00 -3.0	USED USCGS
Station located at Sacramento Northern Railroad bridge. Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,977 square miles.											
B - Irrigation season only.											

**TABLE B-11 (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	37.13	34.75	40.28	36.40	35.63	34.16	35.42	38.10	36.23	34.32	37.06	36.29	1
2	37.12	34.67	40.29	36.28	39.46	34.16	35.54	38.02	36.51	34.34	36.79	36.33	2
3	37.12	34.60	40.39	36.31	39.07	34.26	35.75	38.38	36.51	34.45	36.48	36.32	3
4	37.13	34.61	40.48	36.28	37.47	34.60	35.70	38.63	36.57	34.33	36.70	36.32	4
5	37.08	34.62	40.41	36.25	36.27	34.62	35.90	38.79	37.44	34.32	36.73	36.33	5
6	37.03	34.63	40.36	36.40	35.32	34.67	36.01	38.71	38.74	34.33	36.75	36.32	6
7	37.06	34.68	40.29	36.99	34.75	34.88	35.87	38.59	39.33	34.32	36.70	36.32	7
8	37.14	34.78	39.97	37.23	34.89	36.27	35.84	38.55	39.73	34.27	36.62	36.32	8
9	37.19	34.72	40.17	36.99	36.62	36.13	35.64	38.59	40.11	34.28	36.62	36.39	9
10	37.20	34.66	39.56	36.80	37.06	35.39	35.71	38.73	40.19	34.26	36.46	36.38	10
11	37.16	34.63	38.39	36.71	35.45	35.24	35.61	38.67	40.01	34.60	36.18	36.39	11
12	37.16	34.65	37.47	36.49	34.98	35.09	35.57	38.81	39.35	35.42	36.16	36.40	12
13	37.08	34.65	37.37	36.30	42.24	35.07	35.43	39.21	38.90	36.22	36.17	36.39	13
14	37.10	35.83	36.85	36.07	41.21	35.31	35.30	39.25	38.50	36.58	36.18	36.38	14
15	37.13	36.98	36.46	35.50	37.81	35.20	35.47	39.18	38.09	36.60	36.17	36.36	15
16	37.12	37.07	36.41	35.43	36.17	35.47	35.46	39.22	37.92	36.60	36.17	36.34	16
17	37.07	37.09	36.41	35.23	35.28	35.42	35.43	39.01	37.46	36.55	36.19	36.32	17
18	37.05	37.26	36.41	35.24	34.76	35.57	35.44	38.53	36.64	36.49	36.22	36.29	18
19	37.03	37.46	36.36	35.14	34.53	35.75	35.39	38.26	36.21	36.48	36.25	36.30	19
20	36.99	37.60	36.37	35.12	34.81	36.51	35.35	38.55	35.94	36.52	36.26	36.16	20
21	36.97	38.01	36.38	35.23	35.06	36.09	35.38	37.67	35.27	36.56	36.26	35.66	21
22	37.06	39.11	36.33	35.26	34.93	38.15	35.57	37.43	34.98	37.02	36.27	35.37	22
23	37.06	39.38	36.25	35.24	34.82	37.51	35.83	36.91	34.83	37.09	36.27	35.34	23
24	36.38	39.59	36.29	35.17	34.77	37.13	36.01	35.51	34.52	37.10	36.27	35.34	24
25	35.27	39.82	36.27	35.13	34.73	39.82	36.64	34.86	34.84	37.15	36.27	35.32	25
26	34.81	39.99	36.24	35.06	34.70	40.02	36.27	34.80	35.21	37.13	36.27	35.31	26
27	34.75	40.24	36.35	35.01	34.70	37.91	36.67	34.98	34.87	36.84	36.26	35.29	27
28	34.86	40.28	36.74	34.95	34.60	37.27	37.41	35.74	34.25	36.93	36.24	35.31	28
29	34.82	40.30	36.71	34.76		36.95	38.09	35.79	34.19	36.96	36.23	35.32	29
30	34.77	40.30	36.55	34.61		36.67	38.08	35.98	34.35	37.00	36.22	35.30	30
31	34.82		36.45	34.76		36.33		36.51		37.03	36.27		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E - ESTIMATED  
 NR - NO RECORD  
 NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/4/74	1315	40.54	3/26/75	0015	40.84	5/14/75	0730	39.29	6/10/75	2230	40.29
2/13/75	1800	44.03									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T. & R M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 # JAN 46-DATE	NOV 26-MAY 37 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926	1926	0.00 -3.01	USED USCGS

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

# - Irrigation season only.  
 # - Flood season only.

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25.70	22.00	28.14	23.99	22.95	22.40	31.41	25.22	23.93	21.50	24.86	24.09	1
2	25.72	21.88	28.15	23.84	27.58	22.00	28.99	24.94	23.92	21.48	24.73	24.12	2
3	25.72	21.79	28.24	23.81	30.00	21.92	27.76	25.40	24.11	21.69	24.33	24.15	3
4	25.74	21.78	28.36	23.80	28.55	22.29	25.72	25.74	24.15	21.58	24.24	24.16	4
5	25.74	21.77	28.47	23.75	27.25	22.37	25.25	25.85	24.76	21.57	24.41	24.16	5
6	25.68	21.79	28.65	23.84	25.15	22.40	25.53	26.03	26.15	21.58	24.38	24.16	6
7	25.67	21.81	28.45	24.46	23.87	22.57	25.41	25.77	26.99	21.59	24.41	24.16	7
8	25.70	21.98	28.04	24.95	23.79	24.63	25.10	25.63	27.57	21.53	24.31	24.14	8
9	25.77	21.94	28.00	25.45	26.76	27.26	24.73	25.60	27.89	21.51	24.31	24.20	9
10	25.81	21.87	27.76	24.97	29.16	27.71	24.68	25.71	28.09	21.50	24.28	24.22	10
11	25.80	21.83	26.49	24.66	29.28	29.40	24.44	25.81	27.98	21.61	23.92	24.22	11
12	25.79	21.83	25.30	24.37	29.20	31.06	24.15	25.85	27.41	22.48	23.86	24.26	12
13	25.74	21.84	24.97	23.99	33.93	31.52	23.98	26.33	26.79	23.43	23.85	24.27	13
14	25.71	22.55	24.63	23.75	36.23	31.49	22.75	26.46	26.32	24.04	23.86	24.24	14
15	25.74	24.34	24.00	23.18	34.74	30.80	23.00	26.44	25.83	24.11	23.86	24.23	15
16	25.74	24.60	23.88	22.91	34.34	30.01	23.02	26.45	25.52	24.11	23.87	24.23	16
17	25.71	24.63	23.88	22.73	33.58	29.30	22.93	36.35	25.37	24.13	23.87	24.18	17
18	25.68	24.73	23.87	22.70	32.90	28.51	22.73	25.90	24.34	24.04	23.92	24.17	18
19	25.66	25.01	23.85	22.59	31.07	28.16	22.62	25.42	23.75	24.00	23.97	24.14	19
20	25.62	25.17	23.79	22.55	30.01	29.01	22.51	25.69	23.43	24.03	24.02	24.15	20
21	23.57	25.44	23.82	22.65	28.84	30.56	22.47	25.42	22.78	24.09	24.02	23.70	21
22	24.51	26.61	23.82	22.72	27.96	33.92	22.54	25.56	22.31	24.48	24.04	23.16	22
23	24.50	27.12	23.72	22.70	27.03	34.85	22.74	25.02	22.18	24.71	24.05	23.08	23
24	24.04	27.34	23.71	22.62	25.99	34.80	22.48	23.78	21.77	24.82	24.05	23.09	24
25	23.05	27.59	23.74	22.57	25.16	35.66	23.63	22.56	21.83	24.89	24.09	23.09	25
26	22.07	27.77	23.70	22.53	24.50	36.31	23.86	22.28	22.47	24.86	24.05	23.09	26
27	21.92	28.03	23.74	22.48	23.89	35.27	23.95	22.26	22.30	24.78	24.02	23.07	27
28	22.02	28.12	24.16	22.42	23.26	34.82	24.49	23.17	21.59	24.47	24.06	23.07	28
29	22.03	28.15	24.49	22.23		34.33	25.31	23.38	21.28	24.79	24.00	23.11	29
30	21.97	28.16	24.33	22.02		33.71	25.42	23.41	21.45	24.80	24.00	23.11	30
31	22.01		24.13	22.03		32.93		24.04		24.75	24.05		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED  
 NR — NO RECORD  
 NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1100	28.67	2-14-75	0230	37.05	3-27-75	0030	35.67			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE
			CF5	GAGE HT	DATE			FROM	TO	
38 53 26	121 26 12	SE14 12N 3E	357,000	51.60	12-23-1955	JUN 21-OCT 28 8 JAN 39-DATE	1920-DATE	1920	1920	0.00 -3.30
								USED USCGS		

Station located on left bank 1.7 miles southwest of Nicolaus and 4.2 miles below Bear River. Prior to September 1973, station located on State Highway 99 Bridge 1.2 miles upstream. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and powerplants. Maximum discharge of record is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is approximately 5,921 square miles.

B — Irrigation season only.



**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.76	15.99	20.65	17.55	15.20	19.53	30.24	19.48	18.23	14.41	16.22	17.58	1
2	16.81	16.33	20.65	16.73	18.93	18.70	27.65	19.44	18.05	14.31	16.28	17.67	2
3	16.64	16.43	20.77	16.28	24.26	18.35	25.30	19.69	18.19	14.29	16.22	17.74	3
4	16.64	16.03	21.17	16.09	25.15	18.40	23.48	20.03	18.27	14.31	16.12	17.90	4
5	16.74	15.44	22.84	15.96	24.07	18.44	22.48	20.37	18.41	14.32	16.26	17.96	5
6	16.76	14.95	24.11	15.96	22.18	18.35	22.37	20.82	19.04	14.34	16.24	17.80	6
7	16.73	14.56	23.36	16.38	20.79	18.36	22.37	20.62	19.84	14.45	16.22	17.66	7
8	16.70	14.57	22.41	17.99	20.79	20.20	21.96	20.30	20.43	14.47	16.16	17.47	8
9	16.73	14.63	21.77	19.36	23.79	24.52	21.42	20.12	20.74	14.44	16.16	17.17	9
10	16.75	14.87	21.39	20.16	26.54	25.85	21.31	20.24	20.83	14.32	16.18	17.22	10
11	16.80	15.24	20.56	19.33	27.57	28.07	20.96	20.58	20.64	14.23	16.11	17.39	11
12	16.81	15.74	19.52	18.36	27.82	29.93	20.37	20.84	20.24	14.59	15.93	17.54	12
13	16.82	16.00	18.93	17.39	29.86	30.40	19.87	21.15	19.60	15.23	15.79	17.66	13
14	16.72	16.22	18.63	16.78	33.17	30.32	19.55	21.43	19.09	15.83	15.82	17.66	14
15	16.75	17.32	18.11	16.16	33.29	29.56	19.60	21.57	18.65	16.00	15.85	17.60	15
16	16.71	17.88	17.84	15.72	33.26	28.65	19.84	21.70	18.28	16.06	15.90	17.48	16
17	16.66	17.98	17.75	15.45	32.61	27.81	19.66	21.83	18.10	16.29	15.96	17.35	17
18	16.59	18.02	17.66	15.29	31.68	26.94	18.96	21.71	17.72	16.57	16.15	17.32	18
19	16.47	18.17	17.50	15.10	30.32	26.58	18.59	21.48	17.11	16.52	16.49	17.19	19
20	16.47	18.28	17.12	15.09	28.82	27.37	18.34	21.60	16.68	16.43	16.80	17.12	20
21	16.50	18.45	16.77	15.42	27.50	29.17	18.14	21.85	16.35	16.46	17.12	16.85	21
22	16.84	19.09	16.63	15.47	26.57	32.46	17.87	21.37	15.94	16.46	17.33	16.37	22
23	17.13	19.67	16.46	15.46	25.57	33.46	17.48	20.53	15.70	16.80	17.29	16.11	23
24	17.10	19.90	16.30	15.33	24.40	33.56	17.46	19.43	15.37	16.65	17.17	16.01	24
25	16.34	20.09	16.26	15.21	23.41	33.87	17.83	18.31	15.03	16.50	17.08	15.92	25
26	15.19	20.25	16.26	15.16	22.59	34.09	18.81	17.91	15.12	16.52	17.04	15.80	26
27	14.82	20.38	16.20	15.02	21.72	33.73	19.68	17.70	15.32	16.55	17.02	15.71	27
28	14.99	20.58	16.43	14.82	20.70	33.57	19.87	17.86	15.02	16.33	16.99	15.64	28
29	15.23	20.62	18.18	14.73		33.16	19.93	18.14	14.58	16.30	17.07	15.65	29
30	15.42	20.63	19.58	14.47		32.54	19.74	18.11	14.48	16.25	17.15	15.68	30
31	15.65		18.69	14.44		31.79		18.15		16.24	17.33		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
— ESTIMATED	12-6-74	1000	24.23	2-14-75	1130	33.38	3-26-75	0600	34.17			
NR — NO RECORD												
NF — NO FLOW												

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF OATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 46 50	121 36 10	SE23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 B MAY 29-DATE	MAY 1926-DATE	1926		-0.06 -3.00	USED USCS
Station located 0.8 mile southeast of Verona, 1.0 mile below the Feather River. Records furnished by U. S. Geological Survey. Drainage area is 21,275 square miles. B - Irrigation season only.											

**TABLE B-11 (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02105	SACRAMENTO RIVER AT SACRAMENTO WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.48	9.74	13.32	10.86	9.67	13.10	19.89	9.75	8.36	4.86	6.77	7.82	1
2	10.66	10.00	10.37	10.32	11.65	12.37	17.70	9.70	8.42	4.70	6.83	7.81	2
3	10.60	10.08	13.72	9.86	15.67	11.97	15.57	9.83	8.53	4.65	6.84	7.93	3
4	10.54	9.84	14.07	9.67	17.11	11.76	13.81	10.10	8.42	4.78	6.89	8.08	4
5	10.57	9.43	14.92	9.57	16.40	11.82	12.82	10.28	8.45	4.85	7.12	8.05	5
6	10.56	9.04	16.01	9.74	15.09	11.82	12.58	10.60	9.11	4.81	7.12	7.99	6
7	10.57	8.80	15.44	9.95	14.18	12.02	12.61	10.50	9.71	4.83	6.92	7.99	7
8	10.64	8.73	14.60	11.02	13.97	13.10	12.31	10.29	10.14	4.97	6.79	7.92	8
9	10.61	8.69	14.06	11.99	16.27	16.27	11.86	10.21	10.41	4.94	6.82	7.63	9
10	10.58	8.80	13.82	12.63	18.55	17.61	11.72	10.32	10.35	4.96	6.86	7.77	10
11	10.60	9.03	13.26	12.30	19.47	19.34	11.31	10.53	10.17	4.93	6.90	7.88	11
12	10.54	9.42	12.54	11.48	20.00	21.18	10.47	10.71	10.05	5.10	6.83	7.99	12
13	10.49	9.72	11.96	10.75	22.24	21.95	10.03	10.93	9.31	5.52	6.72	7.99	13
14	10.34	9.92	11.76	10.18	24.94	22.12	9.89	11.35	8.67	5.86	6.75	7.89	14
15	10.22	10.63	11.38	9.78	25.12	21.43	9.79	11.38	8.51	6.22	6.78	7.88	15
16	10.12	11.08	11.10	9.44	25.08	20.58	9.90	11.41	8.23	6.48	6.81	7.77	16
17	10.12	11.14	10.86	9.07	24.62	19.80	9.87	11.45	7.98	6.32	6.84	7.69	17
18	10.08	11.16	10.69	8.93	23.88	19.08	9.39	11.25	7.54	6.65	6.94	7.70	18
19	10.06	11.17	10.49	8.71	22.83	18.73	8.97	11.26	7.15	6.78	7.09	7.63	19
20	10.09	11.30	10.17	8.75	21.24	19.18	8.74	11.30	6.98	6.54	7.24	7.48	20
21	10.00	11.75	9.93	9.08	19.72	20.72	8.70	11.54	6.48	6.61	7.54	7.26	21
22	10.17	12.03	9.79	9.20	18.76	23.77	8.68	11.15	6.16	6.62	7.65	6.92	22
23	10.47	12.35	9.63	9.28	17.88	24.96	8.33	10.53	5.98	6.66	7.57	6.63	23
24	10.38	12.52	9.61	9.27	16.94	25.13	8.37	9.70	6.13	6.67	7.42	6.48	24
25	9.98	12.75	9.70	9.23	16.09	25.63	8.68	8.78	5.63	6.55	7.37	6.46	25
26	9.30	12.89	9.86	9.25	15.39	26.13	9.22	8.35	5.55	6.39	7.51	6.46	26
27	9.00	13.03	10.16	9.02	14.69	25.85	9.84	8.29	5.57	6.07	7.41	6.51	27
28	9.43	13.20	10.47	8.95	13.91	25.61	10.00	8.41	5.31	6.09	7.23	6.47	28
29	9.38	13.26	11.20	8.88		25.21	10.04	8.54	4.92	6.35	7.25	6.34	29
30	9.39	13.29	12.33	8.74		24.75	9.92	8.37	4.85	6.35	7.37	6.49	30
31	9.55		11.65	8.90		24.12		8.29		6.26	7.58		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED  
NR — NO RECORD  
NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1400	16.17	2-14-75	1545	25.24	3-26-75	0830	26.19			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
38 36 09	121 33 12	NE29 9N 4E		33.1	12-23-1955		NOV 26-JULY 37# OCT 37-DATE	1926		USED
								1926		USCGS
									1964	USCGS
										USCGS

Station located 100 feet below weir, 4 miles northwest of Sacramento.

# — Flood season only.

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.63	5.86	9.25	6.94	6.02	9.23	18.70	8.73	7.93	4.81	5.77	6.73	1
2	6.83	6.10	9.31	6.44	7.68	8.52	16.62	8.69	7.83	4.77	5.88	6.73	2
3	6.78	6.16	9.73	5.97	11.32	8.09	14.56	8.80	7.76	4.84	5.94	6.86	3
4	6.72	5.94	10.06	5.82	12.88	7.80	12.83	9.04	7.88	4.94	6.09	7.01	4
5	6.73	5.58	10.77	5.71	12.27	7.87	11.86	9.17	8.28	4.97	6.21	6.95	5
6	6.70	5.21	11.81	5.94	11.12	7.89	11.62	9.47	8.80	5.12	6.26	6.98	6
7	6.71	5.00	11.30	6.14	10.30	8.12	11.64	9.41	9.27	5.19	5.98	7.00	7
8	6.80	4.92	10.52	7.13	10.06	9.01	11.35	9.24	9.63	5.28	5.86	6.92	8
9	6.75	4.86	10.02	7.96	12.21	11.75	10.93	9.18	9.79	5.30	5.92	6.65	9
10	6.72	4.95	9.80	8.56	14.35	13.14	10.78	9.30	9.87	5.17	5.97	6.78	10
11	6.72	5.15	9.32	8.27	15.19	14.64	10.34	9.46	9.85	5.08	6.03	6.86	11
12	6.65	5.52	8.66	7.50	15.80	16.47	9.44	9.60	9.50	5.20	5.95	6.95	12
13	6.59	5.83	8.14	6.81	18.05	17.44	9.02	9.83	8.96	5.52	5.85	6.91	13
14	6.44	6.02	7.89	6.30	20.62	17.75	8.93	10.28	8.51	5.96	5.85	6.80	14
15	6.29	6.65	7.53	5.92	20.81	17.08	8.78	10.28	8.16	5.96	5.89	6.83	15
16	6.18	7.07	7.23	5.59	20.79	16.25	8.87	10.31	7.81	5.86	5.90	6.71	16
17	6.18	7.11	6.95	5.31	20.36	15.47	8.86	10.35	7.66	6.14	5.92	6.65	17
18	6.14	7.13	6.76	5.07	19.65	14.78	8.43	10.25	7.37	6.46	5.97	6.67	18
19	6.15	7.12	6.54	4.93	18.67	14.44	8.00	10.19	7.08	6.44	6.09	6.62	19
20	6.18	7.25	6.22	4.89	17.08	14.81	7.77	10.16	6.76	6.40	6.23	6.44	20
21	6.05	7.77	6.01	5.24	15.57	16.28	7.77	10.41	6.50	6.39	6.50	6.25	21
22	6.19	7.99	5.85	5.37	14.60	19.25	7.81	10.11	6.23	6.33	6.60	5.93	22
23	6.48	8.23	5.70	5.46	13.79	20.51	7.45	9.55	6.16	6.46	6.51	5.64	23
24	6.37	8.39	5.71	5.48	12.92	20.69	7.52	8.86	5.89	6.38	6.38	5.47	24
25	6.05	8.64	5.84	5.46	12.12	21.23	7.82	8.06	5.45	6.18	6.33	5.50	25
26	5.48	8.77	6.03	5.49	11.45	21.80	8.27	7.73	5.45	6.18	6.50	5.53	26
27	5.23	8.94	6.41	5.24	10.76	21.50	8.82	7.61	5.49	6.27	6.36	5.60	27
28	5.72	9.10	6.71	5.21	9.95	21.26	8.96	7.58	5.21	6.19	6.17	5.55	28
29	5.59	9.16	7.22	5.12		20.92	8.99	7.74	5.00	6.07	6.19	5.49	29
30	5.56	9.20	8.29	5.02		20.41	8.89	7.77	4.92	5.83	6.30	5.57	30
31	5.71		7.62	5.27		19.84		7.85		5.72	6.55		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1445	11.97	2-14-75	2015	20.93	3/26/75	0830	21.85			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM TO	ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE					
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	1904-1905 JUN 21-NOV 21 MAY 24-DEC 42 <sup>1/2</sup> MAY 43-DATE	JAN 04-JUL 05 20-DATE	1904 1956 1956 1956 1965	0.12 0.00 2.98 -0.23 0.00	USCGS USCGS USED USCGS USCGS
Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs, the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Records furnished by U. S. Geological Survey. Drainage area is 23,550 square miles.										
U — Irrigation season only.										

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.98	18.15	NR	17.92	18.06	19.52	23.49	19.51	19.48	18.71	18.43	18.09	1
2	19.00	18.14	NR	17.91	18.09	19.52	22.27	19.51	19.48	18.71	18.42	18.08	2
3	18.99	18.13	18.52	17.91	17.95	19.52	21.48	19.53	19.49	18.70	18.43	18.08	3
4	18.99	18.13	18.50	17.92	18.02	19.28	20.94	19.59	19.49	18.71	18.43	18.07	4
5	18.99	18.13	18.48	17.92	18.33	19.05	20.88	19.57	19.49	18.70	18.48	17.71	5
6	19.00	18.13	18.48	17.95	19.22	19.02	20.84	19.53	19.49	18.69	18.45	18.05	6
7	19.02	18.17	18.48	17.93	19.48	19.04	20.80	19.54	19.50	18.69	18.44	18.07	7
8	19.04	18.15	18.48	17.91	19.49	19.09	20.77	19.57	19.50	18.70	18.44	18.06	8
9	19.04	18.14	18.49	17.87	19.78	19.04	20.75	19.56	19.50	18.71	18.44	18.08	9
10	19.00	18.14	18.48	17.87	19.88	19.16	20.74	19.58	19.49	18.70	18.44	18.09	10
11	19.05	18.15	18.47	17.87	20.16	19.58	20.43	19.57	19.48	18.69	18.44	18.08	11
12	19.03	18.14	18.47	17.87	21.15	20.67	19.66	19.52	19.48	18.70	18.44	18.07	12
13	18.81	18.15	18.47	17.86	22.97	21.53	19.46	19.49	19.46	18.70	18.45	17.79	13
14	18.55	18.13	18.48	17.87	24.74	21.64	19.48	19.48	19.03	18.70	18.45	17.75	14
15	18.23	18.14	18.47	17.86	24.87	21.12	19.49	19.47	18.98	18.72	18.45	18.08	15
16	18.12	18.14	18.46	17.87	24.88	20.76	19.51	19.47	18.98	18.74	18.19	18.11	16
17	18.12	18.13	18.25	17.87	24.52	20.34	19.49	19.46	18.97	18.72	18.15	18.11	17
18	18.12	18.13	17.98	17.87	23.95	20.05	19.48	19.46	18.98	18.72	18.20	18.10	18
19	18.12	18.12	17.88	17.86	23.25	20.01	19.47	19.46	18.99	18.73	18.17	18.12	19
20	18.13	18.37	17.87	17.86	21.62	20.05	19.48	19.47	19.00	18.72	18.15	18.10	20
21	18.13	18.49	17.89	17.89	20.75	20.85	19.48	19.48	18.70	18.71	18.15	18.09	21
22	18.13	18.46	17.89	17.89	20.28	23.10	19.47	19.48	18.70	18.70	18.12	18.09	22
23	18.14	18.46	17.88	17.89	19.92	24.25	19.48	19.47	18.70	18.69	18.13	18.10	23
24	18.12	NR	17.88	17.89	19.71	24.43	19.48	19.46	18.71	18.47	18.13	18.09	24
25	18.14	NR	17.88	17.88	19.61	25.18	19.49	19.46	18.72	18.45	18.12	18.09	25
26	18.14	NR	17.88	17.88	19.57	25.89	19.49	19.46	18.69	18.44	18.13	18.09	26
27	18.15	NR	17.93	17.88	19.55	25.65	19.49	19.48	18.70	18.43	18.14	18.10	27
28	18.20	NR	18.08	17.87	19.53	25.44	19.47	19.49	18.70	18.45	18.13	18.10	28
29	18.15	NR	17.92	17.88		25.13	19.47	19.49	18.70	18.45	18.13	18.09	29
30	18.15	NR	17.91	17.89		24.74	19.46	19.48	18.71	18.44	18.13	18.09	30
31	18.19		17.92	17.92		24.31		19.47		18.44	18.13		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-14-75	1530	24.98	3-26-75	1030	25.96						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY		PERIOD		REF DATUM
			CF5	GAGE HT.	DATE				FROM	TO	
38 34 08	121 25 22	SW 3 8N 5E	176,000	45.73	11-21-1950	JUL 21-OCT 21 MAY 24-DEC 42 8 MAY 43-SEPT 59	JUL 21-OCT 21 JUN 24-NOV 24 JUN 1925-DATE		1921	1921	USED USCGS
Station located at H Street Bridge. Backwater at times affects the stage-discharge relationship. Maximum discharge of record listed is for period 1921, 1929-1932, 1934 to date. Maximum gage height listed does not necessarily indicate maximum discharge. Drainage area is 1,937 square miles.											
8 — Irrigation season only.											

**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	AS1820	SCOTT'S CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.12	2.27	0.71	6.25	6.35 E	8.27 E	10.07	9.12	8.18	6.78	3.40	0.69	1
2	1.24	2.34	0.86	6.29	8.25 E	8.34 E	9.92	9.08	8.12	6.75	3.10	0.69	2
3	1.28	2.40	1.04	6.30	8.84 E	8.36 E	9.79	9.03	8.09	6.74	2.75	0.69	3
4	1.29	2.47	1.55	6.32	9.76 E	8.36 E	9.71	8.99	8.06	6.73	2.49	0.69	4
5	1.30	2.54	1.66	6.33	8.92 E	8.38 E	9.60	9.02	8.03	6.66	2.13	0.69	5
6	1.31	2.63	1.56	6.85	8.87 E	8.47	9.49	9.01	7.98	6.62	1.56	0.69	6
7	1.32	2.75	1.56	7.18	10.04 E	9.55	9.36	8.99	7.95	6.58	1.31	0.69	7
8	1.34	2.90	1.58	7.65	10.85 E	11.28	9.26	8.98	7.92	6.53	1.01	0.69	8
9	1.38	2.99	1.61	7.52	13.72 E	10.99	9.15	8.96	7.88	6.50	0.70	0.71	9
10	1.43	3.09	1.66	7.31	12.73 E	10.33	9.13	8.92	7.83	6.46	0.69	0.73	10
11	1.50	3.18	1.69	7.08	10.81 E	9.73	9.15	8.89	7.78	6.41	0.69	0.75	11
12	1.52	3.28	1.77	6.87	10.82 E	9.49	9.15	8.88	7.75	6.35	0.69	0.77	12
13	1.54	3.37	1.84	6.69	13.69 E	9.33	9.14	8.86	7.70	6.35	0.69	0.80	13
14	1.58	3.46	1.91	6.54	12.06 E	9.25	9.12	8.81	7.66	6.27	0.71	0.77	14
15	1.59	2.56	1.99	6.42	9.65 E	9.26	9.17	8.75	7.60	6.25	0.72	0.70	15
16	1.62	0.70	2.04	6.32	8.86 E	9.57	9.17	8.75	7.52	6.24	0.69	0.70	16
17	1.65	0.67	2.09	6.24	8.44 E	10.03	9.14	8.74	7.38	6.15	0.69	0.70	17
18	1.68	0.68	2.12	6.17	8.23 E	12.43	9.10	8.70	7.40	6.16	0.69	0.70	18
19	1.69	0.67	2.16	6.12	8.78 E	13.20	9.06	8.57	7.37	6.10	0.69	0.70	19
20	1.71	0.67	2.20	6.07	9.10 E	12.20	9.07	8.54	7.32	6.05	0.69	0.69	20
21	1.75	0.68	2.26	6.04	8.80 E	11.99	9.05	8.55	7.28	6.06	0.69	0.69	21
22	1.77	0.73	2.31	6.01	8.62 E	13.98	9.04	8.53	7.23	5.94	0.69	0.69	22
23	1.77	0.70	2.35	5.98 E	8.47 E	13.28	9.05	8.50	7.13	5.97	0.69	0.69	23
24	1.77	0.67	2.38	5.96 E	8.38 E	12.69	9.14	8.47	7.06	5.73	0.69	0.69	24
25	1.79	0.75	2.43	5.94 E	8.34 E	13.64	9.16	8.44	7.06	5.87	0.69	0.69	25
26	1.83	0.74	2.48	5.93 E	8.27 E	12.81	9.14	8.38	7.00	5.52	0.69	0.69	26
27	1.88	0.73	3.12	5.89 E	8.25 E	11.70	9.14	8.35	6.94	5.14	0.69	0.69	27
28	2.00	0.72	5.11	5.87 E	8.25 E	11.01	9.15	8.33	6.92	5.22	0.69	0.69	28
29	2.05	0.71	5.87	5.85 E		10.63	9.14	8.30	6.89	4.53	0.69	0.71	29
30	2.10	0.71	6.00	5.58 E		10.41	9.13	8.26	6.82	3.70	0.69	0.73	30
31	2.18		6.13	5.90 E		10.21		8.22		3.66	0.69		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED  
 NR — NO RECORD  
 NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-22-75	1030	14.11									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R M.D.B. & M.	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 09 32	122 55 13	SW12 15N 10W		22.14	12/23/64			NOV 59-DATE	1959	1321.2 USCGS

Station located 0.1 mi. above State Highway 29 Bridge, 0.7 mi. SW of Upper Lake. Gage height reflects the elevation of Clear Lake as well as flow of Scott's Creek.

**TABLE B-11 (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13.67	14.71	13.77	13.34	14.14	13.74	16.38	12.11	14.98	11.67	10.65	11.31	1
2	13.74	14.83	13.93	13.21	14.09	13.66	15.79	11.92	15.85	11.59	10.59	11.12	2
3	13.44	15.14	14.16	12.44	13.03	13.76	15.07	11.88	16.49	11.49	10.59	11.10	3
4	13.25	15.24	14.64	13.45	13.36	13.46	14.42	12.86	17.20	11.59	10.67	11.00	4
5	13.16	15.18	14.57	13.70	14.67	13.66	14.05	13.55	17.39	11.63	10.62	11.26	5
6	12.90	14.58	14.62	13.30	15.94	13.85	13.93	13.58	16.99	11.73	10.50	11.60	6
7	12.74	13.78	14.90	12.53	16.75	14.24	14.10	13.83	17.22	11.71	10.58	11.95	7
8	12.71	13.58	14.96	13.56	17.06	14.63	14.28	14.00	17.38	11.53	10.64	12.12	8
9	12.65	13.57	14.92	13.65	17.03	14.86	14.88	13.94	17.65	11.68	10.69	12.06	9
10	12.46	13.55	14.82	13.75	16.74	15.00	15.11	13.89	17.83	11.62	10.72	11.89	10
11	12.25	13.30	14.77	13.87	16.81	15.07	15.10	13.56	17.75	11.27	10.82	12.08	11
12	12.58	13.49	14.75	13.88	16.98	15.61	14.96	13.44	17.34	11.17	10.76	12.20	12
13	12.80	13.50	14.72	13.34	16.95	15.79	14.74	13.30	16.10	11.16	10.63	12.46	13
14	12.80	13.53	14.71	12.56	17.56	15.73	14.54	13.58	16.17	11.08	10.55	12.50	14
15	12.68	13.47	14.72	13.52	18.40	16.31	14.20	13.75	17.07	10.98	10.48	12.49	15
16	12.36	13.51	14.72	13.84	18.28	16.26	13.79	13.90	17.53	10.96	10.49	12.64	16
17	12.78	13.57	14.61	13.95	17.71	16.20	13.33	14.02	17.62	11.09	10.70	12.50	17
18	13.02	13.57	14.20	14.00	17.01	16.35	13.17	14.20	17.78	11.12	11.27	12.45	18
19	12.93	13.57	13.96	13.90	16.64	16.05	13.02	14.31	17.59	11.24	11.85	12.48	19
20	12.82	13.56	13.82	13.37	16.76	16.30	13.05	14.32	16.59	11.26	12.06	12.67	20
21	12.85	13.35	13.75	12.61	16.55	16.53	13.13	14.54	14.51	11.23	11.89	12.72	21
22	12.93	13.24	13.46	13.74	16.27	16.56	12.99	14.64	13.55	11.02	11.78	12.72	22
23	13.45	13.18	12.79	14.07	15.99	16.96	12.83	14.54	13.14	10.76	11.77	12.68	23
24	14.07	13.18	12.46	14.20	15.41	16.94	12.72	14.45	12.82	10.78	11.73	12.76	24
25	14.35	13.38	12.73	14.19	15.03	16.48	12.61	14.51	12.62	11.02	11.57	12.82	25
26	14.56	13.48	12.94	13.97	15.47	16.84	12.62	14.57	12.32	10.79	11.11	13.02	26
27	14.57	13.64	12.49	13.30	15.00	16.91	12.69	14.53	12.17	10.88	11.02	13.07	27
28	14.52	13.74	13.32	12.62	14.20	16.67	12.71	14.58	12.11	10.79	11.03	13.06	28
29	14.62	13.74	13.53	13.68	16.57	16.57	12.51	14.57	12.07	10.69	10.92	13.02	29
30	14.77	13.67	13.21	13.98	16.74	16.74	12.28	14.62	12.04	10.71	10.88	12.93	30
31	14.82		12.53	14.11		16.83		14.70		10.75	11.06		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15	1845	18.60									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1.4 SEC. T & R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD	ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT	DATE						
37 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 8 JAN 24-FEB 25 JUN 25-OCT 28 8 MAY 29-DATE	JUL 22-DEC 23 8 JAN 24-FEB 25 JUN 25-OCT 28 8 MAY 29-DATE	1931 1959	5.06 0.00 3.3	USCGS USCGS USED	

Station located on left bank 12 feet downstream from Durham Ferry highway bridge, 2.6 miles downstream from Stanislaus River, and 3.2 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,540 square miles.

8 — Irrigation season only.



**TABLE B-II (CONT.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	G32100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11.44	11.27	11.23	11.33	12.56 E	12.63 E	12.70 E	12.84	13.80 E	13.45 E	13.26	12.85	1
2	11.44	11.25	11.22	11.33	12.57 E	12.63 E	12.70 E	12.86	13.80 E	13.45 E	13.22	12.85	2
3	11.43	11.24	11.23	11.33	12.57 E	12.63 E	12.70 E	12.90	13.80 E	13.45 E	13.22	12.81	3
4	11.42	11.24	11.29	11.34	12.57 E	12.63 E	12.71 E	12.95	13.80 E	13.45 E	13.20	12.81	4
5	11.39	11.24	11.28	11.35	12.57 E	12.64 E	12.71 E	12.97	13.80 E	13.45 E	13.20	12.81	5
6	11.37	11.23	11.28	11.35	12.58 E	12.64 E	12.71 E	12.98	13.80 E	13.45 E	13.14	12.81	6
7	11.36	11.23	11.28	11.35	12.58 E	12.64 E	12.71 E	13.00	13.80 E	13.45 E	13.14	12.81	7
8	11.35	11.24	11.27	11.40	12.58 E	12.65 E	12.72 E	13.03	13.80 E	13.45 E	13.10	12.81	8
9	11.35	11.24	11.27	11.39	12.58 E	12.65 E	12.72 E	13.07	13.80 E	13.45 E	13.10	12.81	9
10	11.35	11.24	11.28	11.40	12.59 E	12.65 E	12.72 E	13.11	13.80 E	13.45 E	13.08	12.81	10
11	11.34	11.23	11.28	11.38	12.59 E	12.65 E	12.72 E	13.16	13.80 E	13.45 E	13.08	12.81	11
12	11.32	11.23	11.29	11.38	12.59 E	12.65 E	12.73 E	13.21	13.80 E	13.45 E	13.06	12.81	12
13	11.32	11.23	11.28	11.38	12.59 E	12.66 E	12.73 E	13.27	13.79	13.45 E	13.06	12.81	13
14	11.31	11.23	11.29	11.39	12.60 E	12.66 E	12.73 E	13.35	13.77	13.45 E	13.04	12.81	14
15	11.31	11.23	11.29	11.39	12.60 E	12.66 E	12.73 E	13.43	13.51	13.45 E	13.04	12.78	15
16	11.30	11.23	11.29	11.39	12.60 E	12.66 E	12.74 E	13.49	13.51	13.45 E	13.01	12.78	16
17	11.30	11.22	11.30	11.39	12.60 E	12.66 E	12.74 E	13.50	13.50	13.45 E	13.01	12.74	17
18	11.30	11.23	11.30	11.39	12.60 E	12.67 E	12.74 E	13.54	13.49	13.44 E	13.00	12.74	18
19	11.29	11.22	11.30	11.36	12.60 E	12.67 E	12.75 E	13.57 E	13.48	13.43	13.00	12.74	19
20	11.30	11.20	11.30	12.45	12.61 E	12.67 E	12.75 E	13.62 E	13.48	13.43	13.00	12.74	20
21	11.27	11.20	11.30	12.46	12.61 E	12.67 E	12.75 E	13.65 E	13.47	13.41	13.00	12.72	21
22	11.25	11.25	11.30	12.47	12.61 E	12.68 E	12.75 E	13.69 E	13.46	13.41	12.98	12.71	22
23	11.25	11.24	11.29	12.50	12.61 E	12.68 E	12.75 E	13.70 E	13.46	13.39	12.98	12.70	23
24	11.24	11.20	11.28	12.50	12.62 E	12.68 E	12.75 E	13.73 E	13.43	13.39	12.95	12.70	24
25	11.23	11.25	11.28	12.51	12.62 E	12.68 E	12.76 E	13.76 E	13.44	13.37	12.95	12.69	25
26	11.23	11.24	11.28	12.54	12.62 E	12.69 E	12.76	13.78 E	13.45 E	13.37	12.91	12.67	26
27	11.22	11.24	11.30	12.55 E	12.62 E	12.69 E	12.77	13.79 E	13.45 E	13.33	12.91	12.66	27
28	11.24	11.23	11.34	12.55 E	12.62 E	12.69 E	12.78	13.81 E	13.45 E	13.33	12.91	12.65	28
29	11.25	11.23	11.33	12.56 E	12.70 E	12.79	12.79	13.82 E	13.45 E	13.30	12.91	12.64	29
30	11.24	11.23	11.33	12.56 E	12.70 E	12.81	12.81	13.83 E	13.45 E	13.30	12.87	12.63	30
31	11.24	11.23	11.33	12.56 E	12.70 E	12.81	12.81	13.81 E	13.45 E	13.26	12.87		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E — ESTIMATED  
 NR — NO RECORD  
 NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
5-30-75	0000	13.88									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 36 45	120 43 34	SW22 32N 11E		13.88	5/30/75			OCT 56-DATE	1956		5095.06 USCGS
Station located on east shore, 14 mi. NW of Susanville.											



TABLE B-12

DAILY TIDES

This table shows the water surface elevations for the daily high and low tides or the daily maximum and minimum water surface elevations for days where normal tide patterns did not occur.

The reported elevations are referenced to USC&GS mean sea level datum established at the Golden Gate in 1929. Water surface elevation at each station referenced to this datum is obtained by subtracting the zero of the gage, shown under "Datum of Gage", from the reported elevations. .

Example:

1. Pages 162 and 163 "Sacramento River near Freeport". From Page 163 the zero of the gage since 1964 = 0.00 USC&GS datum. Elevations referenced to mean sea level of the Golden Gate are as reported.
2. Pages 164 and 165. "Sacramento River at Snodgrass Slough". From Page 165 the zero of the gage since 1964 = -3.00' USC&GS datum. Elevations referenced to mean sea level at the Golden Gate are obtained by subtracting 3.00 from the reported values.

TABLE 8-12 (CONTINUED)

## DAILY TIDES

89185d SACRAMENTO RIVER NEAR FREEPORT  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	4.45 4.47	5.10 5.45	3.78 4.01	4.39 5.17	6.55 6.67	6.61 7.44	NR	NR	4.03 4.29	5.37 5.06	6.84 6.53	7.47 6.65	01
02	4.67 4.72	5.25 5.75	3.92 4.25	4.57 5.40	6.61 6.78	6.93 7.46	NR	NR	4.69A 6.07A	6.19 5.06	6.69 6.19		02
03	4.74 4.68	5.26 5.61	4.10 4.27	4.62 5.28	NR	NR	NR	NR	6.91A 9.56A	5.76 5.38	6.51		03
04	4.61 4.61	5.11 5.65	3.93 4.12	4.47 5.02	NR	NR	NR	NR	9.60A 10.35A	5.67 6.21	5.41 5.32		04
05	4.58 4.66	5.05 5.64	3.64 3.87	4.28 4.68	NR	NR	NR	NR	9.71A 8.72A	5.74 6.29	5.51 5.40		05
06	4.53 4.65	4.95 5.57	3.32 3.56	4.11 4.21	NR	NR	NR	NR	8.72A 7.92A	5.61 6.35	5.63 5.34		06
07	4.47 4.78	4.95 5.77	2.99 3.58	4.21	NR	NR	NR	NR	7.85 7.69	7.96 8.20	5.88 6.91	5.76	07
08	4.63 4.87	5.13 5.61	4.21 4.05	3.03 3.23	NR	NR	4.26 4.87	4.95 6.29	7.28A 8.07A	6.03A 7.46A			08
09	4.55 4.82	5.13	3.85 4.18	2.93 3.16	NR	NR	5.37 5.59	5.76 6.39	7.99A 10.41A	7.49A 9.78A			09
10	5.56 5.13	4.51 4.70	3.77 4.31	3.01	NR	NR	5.72 6.11	6.16 6.83	10.41A 11.08A	9.70A 10.47A			10
11	5.43 5.14	4.52 4.57	3.21 3.20	3.82 4.52	NR	NR	5.96 5.83	6.11 6.41	11.56A 12.04A	10.47A 12.28A			11
12	5.26 5.16	4.41 4.51	3.42 3.56	4.04 4.87	NR	NR	5.32 5.11	5.50 5.73	11.94A 12.91A	12.29A 13.47A			12
13	5.19 5.24	4.39	3.69 3.09	4.31 5.17	NR	NR	4.68 4.61	4.96 5.26	12.91A 15.57A	13.46A 14.17A			13
14	4.41 4.29	5.06 5.26	3.89 4.06	4.46 5.38	NR	NR	4.89 4.26	4.64 4.97	15.60A 16.81A	14.17A 13.85A			14
15	4.28 4.21	4.89 5.19	4.26 4.68	4.93 5.81	NR	NR	3.90 4.01	4.47 4.59	16.76A 16.62A	13.84A 13.14A			15
16	4.09 4.14	4.72 5.27	4.75 4.97	5.23 5.88	NR	NR	3.57 3.79	4.31 4.27	16.78A 16.51A	13.13A 12.44A			16
17	4.11 4.18	4.72 5.29	4.83 5.01	5.27 5.71	NR	NR	3.38 3.50	4.11 3.80	16.52A 16.05A	12.43A 11.68A			17
18	4.05 4.18	4.65 5.31	4.78 5.12	5.33 5.66	NR	NR	3.06 3.31	3.97 3.57	16.03A 15.34A	11.67A 11.26A			18
19	4.86 4.32	4.74 5.35	4.78 5.07	5.27 5.35	NR	NR	3.01 3.06	3.95 3.22	15.33A 14.38A	11.01A 11.29A			19
20	4.13 4.42	4.74 4.23	4.73 5.29	5.43 4.62	NR	NR	2.88 3.14	4.06 3.14	14.29A 12.68A	11.14A 11.44A			20
21	3.97 4.28	4.53 4.92	5.11 6.00	6.34 6.03	NR	NR	3.42 4.48	3.26 3.36	12.68A 11.58A	11.86A 13.85A			21
22	3.95 4.55	4.75 5.16	6.02 6.09	5.42 5.76	NR	NR	3.63 4.62	3.47 3.34	11.58A 10.84A	13.89A 16.19A			22
23	4.28 4.61	4.97	5.88 6.21	5.61 5.85	NR	NR	3.69 4.84	3.55	10.82A 10.01A	16.20A 16.53A			23
24	4.91 4.91	4.18 4.41	5.96 6.37	5.75 6.00	NR	NR	3.44 3.62	3.85 4.93	10.00 9.63	10.02 9.88	16.52A 16.68A		24
25	4.76 4.78	4.02 4.04	6.27 6.68	6.06	NR	NR	3.44 3.61	3.93 5.03	9.22 8.93	9.35 9.27	16.65A 17.49A		25
26	4.48 4.58	3.60 3.61	6.13 6.16	6.31 6.86	NR	NR	3.57 3.70	4.13 4.9R	8.60 8.34	8.84 8.68	17.49A 17.67A		26
27	4.19 4.54	3.39 3.61	6.24 6.33	6.48 7.04	NR	NR	3.48 3.41	3.98 4.56	8.63 7.75	8.33 8.07	17.51A 17.28A		27
28	4.57 5.46	3.94	6.38 6.58	6.64 7.24	NR	NR	3.27 3.41	3.98 4.80	7.42 7.12	7.87 7.44	17.25A 17.00A		28
29	4.83 3.71	4.44 4.98	6.49 6.56	6.72 6.26	NR	NR	3.34 3.30	4.07 4.43			17.03A 16.63A		29
30	3.66 3.72	4.29 4.92	6.50 6.61	6.76 7.37	NR	NR	3.19 3.19	4.22 4.30			16.63A 16.19A		30
31	3.65 3.89	4.28 5.07			NR	NR	3.17 3.71	4.46 4.95			16.18A 15.63A		31
MAXIMUM	5.77		7.37		NR		NR		16.81A		17.67A		MAXIMUM
MINIMUM	1.49		2.93		NR		NR		4.03A		5.32A		MINIMUM

NR = NO RECORD

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 28 23, LONG. 121 31 58, SW SEC. 18, T7N, R4E,  
10.7 MILES BELOW SACRAMENTO, 1.9 MILES NORTHWEST OF FREEPORT.  
MAXIMUM GAGE HEIGHT LISTED AT PRESENT DATUM.

PERIOD OF RECORD: AUG 1955 TO DATE

TABLE B-12 (CONTINUED)  
DAILY TIDES  
891950 SACRAMENTO RIVER NEAR FREEPORT  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
01	15.614 14.224	6.30 6.71	6.23 5.87	3.29 3.40	4.98 3.76	5.63 4.48	01
		6.04	6.81 5.42	2.81	3.99 3.82	4.87 4.61	
02	14.194 12.224	6.49 6.26	6.29 5.71	4.39 3.89	5.16 3.79	5.61 4.48	02
		6.54 5.96	5.77 5.33	3.25 2.87	4.15 3.98	4.95 4.62	
03	12.214 10.524	6.49 6.23	6.18 5.46	4.45 3.82	5.28 3.79	5.70 4.59	03
		6.50 6.17	5.52 5.27	3.33 3.11	4.29 4.10	5.14 4.71	
04	10.514 9.174	6.76 6.46	6.23 5.52	4.65 3.83	5.55 3.97	5.79 4.75	04
		6.57 6.29	5.85 5.53	3.46 3.25	4.55 4.23	5.35	
05	9.324 8.594	6.83 6.50	6.74 5.87	4.75 3.80	5.68 4.00	4.89 5.04	05
		6.60 6.42	6.16 6.02	3.55 3.28	4.74 4.35	4.75 5.42	
06	8.85 8.68	7.02 6.76	7.83 6.29	4.94 3.11	5.71 4.11	4.71 5.73	06
	8.91 8.63	6.89 6.68	6.83 6.52	3.82 3.56	4.78	4.80 5.76	
07	8.96 8.71	7.15 6.68	7.38 6.61	5.16 3.19	4.18 5.39	4.95 5.66	07
	8.92	6.81 6.59	6.92 6.82	4.01 3.62	3.81 4.43	4.80 5.88	
08	8.84 8.45	7.12 6.52	7.47 6.89	5.17 3.26	3.83 5.12	4.92 5.60	08
	8.64	6.73 6.51	7.20 7.11	4.05 4.05	3.73 4.58	4.77 5.85	
09	8.22 8.53	7.16 6.47	7.81 7.01	3.59 5.23	3.90 5.09	4.65 5.17	09
	8.04	6.74	7.28	3.31 4.13	3.82 4.84	4.47 5.81	
10	7.95 8.36	6.54 7.21	7.19 7.91	3.52 5.06	4.00 4.98	4.67 5.27	10
	7.69 8.26	6.57 6.85	7.11 7.42	3.20 4.12	3.88 5.12	4.69 5.90	
11	7.92 8.31	6.69 7.32	7.27 8.06	3.45 4.88	4.19 5.02	4.75 5.23	11
	7.39 7.50	6.66 6.90	7.12 7.43	3.11 4.22	3.95 5.29	4.81 5.96	
12	7.88 7.46	6.81 7.40	7.17 7.78	3.47 4.72	4.17 4.74	4.81 5.27	12
	6.54 6.81	6.78 7.04	6.70 7.00	3.22 4.51	3.89 4.36	4.95 6.00	
13	6.48 7.11	6.93 7.59	6.67 7.18	3.68 4.67	4.05 4.45	4.79 5.25	13
	6.26 6.76	7.04 7.53	6.25 6.84	3.50 5.00	3.80 5.30	4.91	
14	6.50 7.18	7.47 8.11	6.45 6.92	4.11 4.88	3.95 4.36	5.82 4.62	14
	6.20 6.59	7.45 7.72	5.85 6.63	3.92 5.39	3.87	5.19 4.83	
15	6.31 6.89	7.59 8.00	6.11 6.51	4.16 4.95	5.33 3.91	5.77 4.65	15
	6.06 6.42	7.37 7.70	5.63	3.75	4.37 4.01	5.19 4.71	
16	6.27 6.89	7.58 7.94	6.58 5.75	5.11 3.92	5.47 3.98	5.54 4.53	16
	6.18	7.39	5.99 5.25	4.23 3.72	4.40 4.02	5.12 4.62	
17	6.58 6.46	7.78 7.65	6.26 5.47	5.31 4.01	5.34 3.84	5.42 4.49	17
	6.91 6.08	7.90 7.36	5.76 5.31	4.50 4.20	4.63 4.19	5.18	
18	6.44 6.11	7.51 7.74	6.30 5.17	5.70 4.32	5.28 3.87	4.60 5.47	18
	6.48 5.62	7.34 7.86	5.35 4.93	4.71 4.41	4.52 4.10	4.56 5.26	
19	6.02 5.74	7.52 7.67	6.22 4.91	5.76 4.23	5.25 3.97	4.63 5.44	19
	6.04 5.26	7.34 7.90	5.15 4.67	4.71 4.41	4.59	4.54 5.25	
20	5.79 5.45	7.35 7.43	5.92 4.51	5.71 4.20	4.14 5.20	4.47 5.15	20
	5.79 5.11	7.27	4.94 4.63	4.77 4.45	4.07 4.79	4.32 5.10	
21	5.88 5.40	7.94 7.57	5.94 4.27	5.69 4.20	4.32 5.39	4.32 5.02	21
	5.92 5.31	7.69 7.44	4.73 4.35	4.74 4.35	4.32 5.08	4.22 5.03	
22	6.18 5.58	7.97 7.29	5.69 4.84	5.58 4.14	4.56 5.45	4.08 4.71	22
	5.97 5.22	7.44 7.10	4.68 4.31	4.78	4.43 5.10	3.95 4.85	
23	5.95 5.88	7.71 6.80	5.61 3.97	4.48 5.61	4.50 5.28	3.78 4.29	23
	5.57 4.96	6.96	4.76	4.29 4.91	4.33 5.11	3.88 4.62	
24	5.94 5.94	6.62 7.31	4.29 5.43	4.49 5.57	4.44 5.08	3.56 4.06	24
		6.19 6.38	3.75 4.37	4.20 4.86	4.21 5.04	3.53 4.61	
25	5.37 6.37	5.99 6.72	3.85 4.93	4.32 5.26	4.36 4.95	3.52 4.06	25
	5.39 5.96	5.47 5.85	3.28 4.12	4.02 4.84	4.21 5.15	3.67 4.73	
26	5.57 6.51	5.52 6.45	3.68 4.75	4.30 5.14	4.45 5.07	3.55 4.13	26
	5.72 6.22	5.22 5.85	3.34 4.31	4.03 5.00	4.46 5.48	3.80 4.85	
27	6.01 6.93	5.51 6.38	3.87 4.69	4.39 5.09	4.51 4.76	3.63 4.23	27
	6.20 6.60	5.12 5.68	3.32 4.32	4.20 5.31	4.18 5.21	3.96 4.95	
28	6.38 7.02	5.36 6.08	3.77 4.33	4.54 4.94	4.20 4.40	3.63 4.19	28
	6.22 6.56	5.09 5.73	3.01 4.21	4.01 5.23	4.84 5.13	3.88 4.78	
29	6.22 7.00	5.54 6.11	3.56 4.08	4.35 4.83	4.11 4.33	3.51 4.22	29
	6.29 6.66	5.21 5.91	2.97 4.28	3.94 5.10	4.13 5.19	3.82	
30	6.46 6.95	5.68 6.14	3.44 3.71	4.84 4.16	4.12 4.44	4.78 3.58	30
	6.11 6.50	5.23	2.93 4.39	3.65 4.91	4.33	4.39 3.85	
31		6.07 5.78		3.79 3.91	5.43 4.29		31
		6.06 5.36		3.84	4.69 4.59		
MAXIMUM	15.614	8.11	8.06	5.76	5.71	6.00	MAXIMUM
MINIMUM	4.984	5.09	2.93	2.81	3.73	3.51	MINIMUM

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD: 23.9 - 12-23-55

ZERO OF GAGE: 1955 4.93 USGS  
1956 0.00 USGS  
1964 -0.43 USGS  
1964 TO DATE 0.00 USGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

891750 SACRAMENTO RIVER AT SNOODGPASS SLOUGH  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.48 5.54	6.81 7.27	5.05 5.50	6.30 7.36	6.72 7.11	7.56 8.62	5.44 5.74	6.66 7.08	5.45 5.70	7.59 8.97	7.30 7.13	8.75 8.08	01
02	5.73 5.86	6.94 7.66	5.16 5.72	6.43 7.52	6.78 7.23	7.73 8.69	5.27 5.46	6.65 6.47	5.91 6.54	7.95 7.53	6.93 6.61	8.34 7.34	02
03	5.81 5.87	6.98 7.54	5.25 5.71	6.40 7.34	6.96 7.78	8.05 9.26	4.89 5.10	6.48 5.93	7.28 8.80	9.38	6.57 5.95	7.99 6.74	03
04	5.65 5.84	6.81 7.58	5.11 5.62	6.30 7.15	7.69 8.06	8.79 8.98	4.72 5.04	6.78 5.67	9.67 10.58	9.52 9.27	6.26 5.94	7.75	04
05	5.60 5.90	6.69 7.54	4.94 5.50	6.28 6.86	7.59 8.24	8.81 8.94	4.68 4.90	6.75	9.56 10.02	9.14 8.52	6.98 7.80	6.47 6.06	05
06	5.54 5.91	6.56 7.44	4.72 5.24	6.23 6.40	8.33 8.63	9.40 8.98	5.62 7.33	4.99 5.23	8.95 9.34	8.40 7.88	7.08 7.63	6.65 6.03	06
07	5.43 6.10	6.56 7.66	4.48 5.30	6.49 6.45	8.22 8.08	9.21	6.03 7.42	5.37 5.29	8.54 9.14	8.03 7.52	7.16 8.57	6.75 6.86	07
08	5.65 6.19	6.78 7.45	4.54 4.84	6.31	8.50 8.83	7.75 7.53	6.49 8.16	6.11 6.12	8.36 9.05	7.80 7.69	7.99 8.48	7.28 7.49	08
09	5.54 6.09	6.81 7.38	6.00 6.51	4.46 4.72	8.05 8.76	7.45 7.33	6.95 7.77	6.38	9.33 10.37	8.93 9.73	8.95 9.93	8.71 9.14	09
10	5.48 5.90	6.86	5.88 6.62	4.53 4.66	8.02 8.84	7.47 7.22	6.07 6.61	6.97 7.98	10.71 11.14	10.35	9.99 10.30	9.50 9.68	10
11	7.21 6.84	5.47 5.63	5.85 6.79	4.69 4.76	7.92 8.05	7.33	6.25 6.45	6.95 7.76	10.50 10.74	11.02 11.35	10.56 11.18	10.33 11.00	11
12	6.99 6.90	5.36 4.52	5.99 7.08	4.99	6.86 7.03	7.61 8.43	5.86 5.97	6.62 7.19	10.79 11.04	11.30 11.74	11.72 12.15	11.40 11.99	12
13	6.92 7.08	5.42 5.45	4.95 5.30	6.21 7.36	6.51 6.75	7.34 8.06	5.36 5.60	6.25 6.92	11.57A 13.60A	13.60A	12.45 12.82	12.30 12.68	13
14	6.84 7.22	5.42	5.12 5.50	6.34 7.56	6.21 6.58	7.10 7.93	5.09 5.43	6.18 5.43	13.63A 14.80A	14.80A	12.56 12.48	12.84 12.68	14
15	5.37 5.38	6.68 7.20	5.41 5.94	6.66 7.73	6.06 6.40	6.95 7.61	4.91 5.30	6.18 6.45	14.63 14.56	14.82 14.71	12.24 11.95	12.56 12.15	15
16	5.20 5.40	6.55 7.34	5.65 6.13	6.73 7.64	5.81 6.02	6.79 7.11	4.73 5.15	6.17 6.12	14.88A 14.51A	14.51A	11.81 11.39	12.17 11.56	16
17	5.23 5.50	6.54 7.37	5.66 6.11	6.73 7.36	5.39 5.88	6.53 6.97	4.58 4.88	6.04 5.59	14.61A 14.13A	14.13A	11.17 10.80	11.55 10.96	17
18	5.19 5.57	6.48 7.41	5.54 6.24	6.80 7.25	5.31 5.86	6.60 6.53	4.34 4.70	5.95 5.32	14.13A 13.59A	13.59A	10.58 10.33	11.11 10.55	18
19	5.21 5.61	6.64 7.47	5.51 6.11	6.65 6.83	5.08 5.48	6.47 6.12	4.35 4.47	5.99 4.97	13.58A 12.84A	12.84A	10.31 10.15	10.89 10.48	19
20	5.36 5.94	6.69 7.27	5.39 6.26	6.74 6.93	4.90 5.36	6.33 5.66	4.29 4.50	6.17	12.48 11.51	12.59	10.33 10.45	10.88 10.45	20
21	5.10 5.74	6.34 6.81	5.79 7.04	7.88 7.17	4.74 5.33	6.47 5.59	5.14 5.60	4.73 4.62	11.52 11.40	11.16 10.54	10.96 11.56	10.95 11.52	21
22	5.07 5.98	6.54 6.96	6.01 6.30	7.30	4.81 4.95	6.38	5.33 6.76	4.98 4.58	10.66 10.83	10.36 9.93	12.42A 14.17A	14.17A	22
23	5.33 5.88	6.68 6.53	6.64 7.23	5.95 6.20	5.31 6.29	4.75 4.67	5.44 7.04	5.08 4.70	10.23 10.48	9.80	14.43 14.66	14.38 14.40	23
24	5.17 5.65	6.62 7.36	6.42 7.36	6.05 6.32	5.23 6.43	4.84 4.75	5.67 7.19	5.17 4.74	9.36 9.14	9.84 10.11	14.72 14.86	14.53 14.55	24
25	6.44 6.68	5.16 5.45	7.04 7.75	6.45 6.37	5.52 7.06	5.09 4.93	5.86 7.36	5.14	8.82 8.70	9.54 9.77	15.08 15.37	14.88 15.20	25
26	6.44 6.81	5.08 5.19	6.99 7.96	6.52	5.91 7.47	5.43 5.10	4.89 5.32	6.11 6.32	8.42 8.27	9.31 9.30	15.57 15.63	15.37 15.28	26
27	6.34 6.86	4.98 5.12	6.46 6.71	7.17 8.14	6.24 8.28	5.82	4.86 4.98	5.99 6.91	8.00 7.83	8.99 8.82	15.57 15.36	15.14 15.03	27
28	6.78 7.85	5.63 5.62	6.54 6.90	7.33 8.38	5.82 5.92	6.72 7.71	4.67 4.95	6.07 7.17	7.60 7.43	8.82 8.38	15.01 14.90	15.34 15.14	28
29	6.51 7.17	5.28	6.65 6.93	7.40 8.38	5.41 5.88	6.45 7.91	4.77 4.85	6.20 6.74			14.82 14.64	15.22 14.85	29
30	5.10 5.27	6.34 7.19	6.65 7.04	7.49 8.55	6.09 6.52	7.09 7.98	4.65 4.91	6.48 6.62			14.53 14.29	14.89 0.00	30
31	5.02 5.39	6.24 7.29			5.90 5.86	6.61 7.17	4.69 5.20	6.75 7.11			14.21 13.95	14.55 14.06	31
MAXIMUM	7.85		8.55		9.40		8.16		14.88A		15.63A		MAXIMUM
MINIMUM	4.98		4.46		4.67		4.29		5.45A		0.00A		MINIMUM

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 21 02, LONG. 121 31 56, SW SEC 22, T6N, R9E,  
0.2 MILE ABOVE HEAD OF SLOUGH (LEVEED OFF FROM RIVER),  
WEST OF STATE HWY 160, 2.5 MILES NE OF COURTLAND. AT  
TIMES TIDAL FLUCTUATION IS INFLUENCED BY OPERATION OF  
THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: AUG 1939 TO DATE

TABLE A-12 (CONTINUED)

## DAILY TIDES

B91750 SACRAMENTO RIVER AT SHODDRESS SLough  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	13.69 12.96	13.79 12.98	6.96 6.35	7.79 7.50	6.85 6.12	7.26	4.97 4.47	5.37 6.78	5.05 5.36	5.73 7.30	7.53 6.45	5.46 5.80	01
02	12.85A	11.32A	6.90 6.25	7.47	7.81 6.95	6.63 6.04	4.76 4.60	5.22	5.03 5.54	5.93	7.44 6.56	5.41 5.78	02
03	10.82	10.93	7.50 7.24	6.74	7.66 6.59	6.26 5.98	6.84 5.34	4.84 4.89	7.46 6.15	5.04 5.69	7.60 6.77	5.52 5.79	03
04	10.20	9.43	7.73 7.12	6.85 6.38	7.73 6.76	6.19 6.37	7.07 5.56	4.63 5.11	7.81 6.53	4.26 4.83	7.66 7.01	5.45 5.84	04
05	9.52	8.92	7.64 7.05	6.71 6.49	8.38 7.32	6.58 6.83	7.17 5.68	4.59 4.15	7.96 6.46	5.35 5.86	7.70 7.22	5.75	05
06	9.22	8.55	7.67 7.26	6.77 6.75	8.56 7.64	6.79 7.15	7.41 6.01	4.69 5.44	7.97 6.72	5.37 5.64	5.81 5.85	7.63 7.59	06
07	9.29	8.53	7.91 7.35	6.75 6.76	8.66 7.73	6.85 7.28	7.64 6.24	4.81 5.50	7.61 6.37	5.03	5.96 5.89	7.51 7.85	07
08	9.28	8.16	8.03 7.40	6.66 6.85	8.87 7.85	7.00 7.45	7.65 6.28	4.89 5.44	5.22 4.97	7.32 6.61	6.03 5.96	7.45 7.91	08
09	9.10	8.06	8.22 7.46	6.66 6.90	8.89 7.90	7.05 7.50	7.70 6.40	4.87	5.29 5.09	7.27 6.95	5.82 5.71	7.00 7.91	09
10	9.04	7.92	8.26 7.54	6.69 6.99	8.98 8.18	7.15	5.35 4.78	7.53 6.44	5.38 5.17	7.12 7.26	5.88 5.97	7.07 7.91	10
11	8.04	6.99	8.27 7.48	6.69	7.69 7.32	9.25 8.31	5.28 4.70	7.35 6.57	5.57 5.35	7.11 7.52	5.85 6.12	6.97 7.97	11
12	7.34	6.19	7.61 6.81	6.25 7.56	7.67 6.92	9.01 7.93	5.26 4.74	7.89 6.80	5.61 5.34	6.76 7.63	5.89 6.25	6.95 7.98	12
13	6.99	6.29	7.17 6.62	6.44 6.12	7.23 6.54	8.41 8.08	5.31 4.92	6.91 7.24	5.50 5.13	6.43 7.58	5.87 6.27	6.97 7.79	13
14	7.16	6.51	7.77 6.67	6.04 6.23	7.27 6.47	8.36 8.15	5.62 5.30	6.96 7.64	5.35 5.42	6.28 7.58	5.71 6.14	6.95	14
15	6.97	6.14	7.79 6.40	6.75 7.34	7.07 7.23	7.98 8.21	5.58 6.31	6.43 7.28	5.27 5.62	6.31	7.64 6.91	5.70 6.00	15
16	6.91	6.05	7.74 6.45	6.56 7.23	6.64 6.01	7.37 7.97	5.21 5.05	6.02 7.67	7.72 6.41	5.29 6.69	7.42 6.86	5.58 6.81	16
17	7.07	6.01	7.72 6.45	6.36 7.15	6.32 6.21	7.12	5.27 5.60	6.28	7.62 6.67	5.19 5.80	7.32 6.98	5.56 5.82	17
18	6.94	7.63	6.19 6.08	7.54 7.23	8.06 6.73	6.84 5.97	7.84 6.45	5.47 5.81	7.58 6.47	5.15 5.57	7.37 7.13	5.49 5.88	18
19	7.13	6.56	6.55 7.25	7.61 7.39	8.10 6.67	5.91 5.81	7.87 6.49	5.39 5.85	7.41 6.48	5.17 5.53	7.38 7.12	5.71	19
20	6.99	6.24	6.82 7.03	7.33 6.97	7.94 6.61	5.54 5.94	7.88 6.61	5.37 5.91	7.27 6.65	5.22 6.64	5.68 5.48	7.02 6.98	20
21	7.25	6.20	6.44 7.24	7.32 6.01	8.06 7.87	5.43 7.30	7.84 6.58	5.34 5.78	7.37 6.93	4.44	5.50 5.49	6.92 7.01	21
22	7.76	6.33	6.72 7.38	7.20 6.80	7.92 7.86	5.29 7.19	7.75 6.64	5.29 5.79	5.84 5.53	7.39 6.91	5.36 5.31	6.65 6.90	22
23	7.55	5.90	6.78 7.03	6.93 6.83	7.87 7.67	5.28 6.74	7.70 6.74	5.40	5.74 5.47	7.16 6.97	5.10 5.06	6.20 6.71	23
24	7.64	5.90	7.69 7.51	6.54 6.36	7.71 6.45	5.14	5.85 5.35	7.65 6.77	5.66 5.37	6.96 6.92	4.85 5.03	5.99 6.75	24
25	6.11	6.16	6.28 7.37	6.07	5.51 6.64	7.21 6.24	5.71 5.28	7.33 6.83	5.58 5.42	6.78 7.10	4.84 5.20	5.67 6.89	25
26	6.02	6.20	6.43 7.29	6.16 7.33	5.34 6.67	6.99 6.42	5.72 4.25	7.21 6.99	5.72 5.75	6.90 7.45	4.92 5.43	6.10 7.05	26
27	6.66	6.24	6.57 6.47	6.14 7.46	5.50 5.85	6.86 7.16	5.40 5.47	7.87 7.31	5.74 5.43	6.44 7.18	5.04 5.67	6.21 7.15	27
28	6.86	6.21	6.45 6.44	7.74 7.62	5.43 5.72	6.44 7.09	5.99 5.37	6.84 7.34	5.39 5.32	6.01 7.07	5.06 5.58	6.21 6.94	28
29	6.89	6.14	6.49 6.49	7.61 7.55	5.31 4.51	6.14 6.57	5.78 5.29	6.47 7.16	5.22 5.45	5.89 7.10	4.90 5.47	6.28 6.98	29
30	7.03	6.49	6.71 6.42	7.61 7.68	5.16 4.50	5.74 6.71	5.43 5.04	5.87 7.01	5.19 5.73	6.04 7.37	4.94 5.43	6.47	30
31			6.82 6.62	7.44 7.72			5.13 4.09	5.57 7.10	5.38 5.93	6.29			31
MAXIMUM	13.79A		9.04		9.25		7.88		7.97		7.98		MAXIMUM
MINIMUM	5.74A		5.72		4.48		4.47		4.97		4.84		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD: 20.57 - 12-25-64

ZERO OF GAGE: 1939 -3.02 USCGS  
1964 -3.40 USCGS  
1964 TO DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

R91650 SACRAMENTO RIVER AT WALNUT GROVE  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	DATE
01	3.26 3.79	1.30 0.85 2.88 4.08	1.62 3.22 2.45 4.70	0.69 2.90 1.35 3.50	1.40 4.20 1.81 3.53	2.67 4.89 2.55 4.12	01
02	1.43 3.36 1.68 4.20	0.92 2.96 1.60 4.19	1.70 3.45 2.60 4.58	0.70 3.06 1.14 2.88	1.71 4.49 1.82 3.11	2.50 4.62 2.11 3.46	02
03	1.50 3.41 1.74 4.09	0.93 2.89 1.76 4.00	1.83 3.72 3.26 5.29	0.44 2.99 0.81 2.31	2.08 5.08 3.33	2.22 4.29 1.25 2.72	03
04	1.30 3.22 1.72 4.15	0.80 2.82 1.71 3.84	2.91 4.74 3.50 4.92	0.37 3.39 0.74 1.98	4.70 4.21 5.94 3.69	1.89 4.07 1.40 3.05	04
05	1.24 3.07 1.80 4.11	0.73 2.91 1.68 1.58	2.66 4.52 3.28 4.37	0.43 3.38 0.57 1.94	4.00 3.88 5.43 3.19	2.20 4.11 1.46	05
06	1.15 2.93 1.87 3.99	0.59 2.94 1.47 3.14	2.89 4.79 3.32 4.18	0.84 3.97 0.91	4.17 3.44 4.98 2.78	3.15 2.44 4.11 1.42	06
07	1.02 2.94 2.11 4.21	0.43 3.25 1.52 3.19	2.89 4.80 2.95	2.42 1.34 4.08 0.91	4.12 3.35 5.01 2.61	3.23 2.49 5.08 2.52	07
08	1.26 3.16 2.19 3.95	0.52 3.07 0.95 2.70	3.90 2.71 4.58 2.51	2.87 2.06 4.72 1.59	4.11 3.19 5.82 2.84	4.19 3.04 4.67 2.66	08
09	1.13 3.25 2.04 3.87	0.47 3.26 0.75	3.58 2.61 4.65 2.39	2.98 1.89 4.01 1.13	4.86 3.86 5.82 4.13	4.52 3.66 5.36 3.75	09
10	1.07 3.31 1.76	2.55 0.57 3.38 0.60	3.68 2.77 4.82 2.34	2.68 1.92 4.03	4.11 4.69 6.14	5.27 4.18 5.57 4.10	10
11	3.70 1.06 3.27 1.37	2.50 0.72 3.53 0.61	3.66 2.76 4.76 2.09	1.14 2.60 1.77 3.94	4.51 5.66 4.82 6.09	5.59 4.60 5.98 4.92	11
12	3.46 0.95 3.38 1.20	2.58 0.97 3.78 0.71	3.51 2.63 4.69	0.97 2.52 1.46 3.45	4.71 5.85 4.99 6.31	6.14 5.33 6.37 5.54	12
13	3.37 1.08 3.60 1.12	2.76 1.30 4.05	1.91 3.39 2.43 4.38	0.58 2.33 1.21 3.33	5.25 6.70 6.01 7.01	6.60 5.78 6.80	13
14	3.30 1.16 3.79 1.05	0.86 2.89 1.53 4.29	1.61 3.16 2.30 4.28	0.51 2.49 1.21 3.19	6.56 7.60 7.24 7.72	5.96 6.75 5.88 6.59	14
15	3.16 1.17 3.79	1.10 3.11 1.85 4.29	1.52 3.11 2.20 3.99	0.46 2.61 1.17 2.99	7.20 7.81 7.20 7.62	5.81 6.71 5.57 6.37	15
16	0.89 3.05 1.27 3.97	1.11 3.01 1.94 4.11	1.33 2.99 1.67 3.39	0.41 2.73 1.07 2.65	7.18 7.96 7.24 7.47	5.64 6.70 5.24 5.88	16
17	0.93 3.05 1.43 4.02	1.07 2.96 1.90 3.76	0.74 2.74 1.63 3.33	0.31 2.63 0.81 2.06	7.11 7.73 6.97 7.18	5.15 6.18 4.83 5.49	17
18	0.89 2.99 1.55 4.06	0.92 3.05 2.63 3.58	0.74 2.90 1.63 2.77	0.15 2.59 0.65 1.76	6.84 7.44 6.59 6.77	4.85 5.99 4.48 5.19	18
19	1.00 3.19 1.89 4.14	0.88 2.83 1.85 3.60	0.53 2.81 1.43 2.24	0.25 2.67 0.37 1.26	6.51 7.20 6.11 6.37	4.74 5.89 4.39 5.20	19
20	1.14 3.25 2.07 3.92	0.71 2.93 1.96 3.01	0.40 2.73 1.12 1.76	0.30 2.88 0.39 1.57	6.06 6.72 5.21	4.79 5.75 4.44	20
21	0.90 2.87 1.85 3.38	1.18 4.18 2.75 3.06	0.36 2.97 1.15 1.72	0.84 3.31 0.40	5.55 5.18 5.98 4.48	5.40 5.11 6.01 5.34	21
22	0.77 3.08 2.06 3.45	1.30 3.39 1.62 2.26	0.53 2.94 0.66 1.46	1.73 1.11 3.47 0.31	5.09 4.61 5.76 4.12	6.56 6.35 7.25 6.68	22
23	1.01 3.14 1.78 2.85	1.68 3.18 1.33	0.55 2.86 0.33	1.89 1.24 3.77 0.42	5.04 4.25 5.64 3.82	7.52 7.20 7.86 7.04	23
24	0.80 3.08 1.51 2.83	2.15 1.16 3.30 1.44	1.41 0.74 3.26 0.38	2.17 1.33 3.93 0.49	4.94 3.89 5.52 3.55	7.86 7.26 8.12 7.22	24
25	0.92 3.25 1.40	2.69 1.63 3.71 1.36	1.82 1.85 3.71 0.56	2.43 1.35 4.11 0.68	4.93 3.63 5.38	8.40 7.67 8.59 7.68	25
26	3.00 1.06 3.53 1.27	2.56 1.72 3.97 1.42	2.31 1.46 4.13 0.74	2.69 1.48 4.15	3.35 4.89 3.29 4.99	8.45 7.82 8.54 7.71	26
27	3.02 1.08 3.62 1.16	2.79 1.93 4.14 1.45	2.71 1.90 4.91	0.66 2.63 1.08 3.76	3.62 4.70 2.95 4.60	8.62 7.68 8.37 7.52	27
28	3.47 1.79 4.62 1.68	2.93 2.16 4.41	1.42 3.07 1.78 4.35	0.53 2.74 1.03 3.94	2.77 4.74 2.69 4.28	8.43 7.40 8.10 7.37	28
29	3.15 1.37 3.92 1.04	1.53 2.99 2.19 4.40	0.96 2.78 1.64 4.34	0.61 2.88 0.89 3.49		8.48 7.27 7.99	29
30	2.99 1.37 3.93	1.54 3.13 2.36 4.61	1.16 2.92 1.85 4.17	0.55 3.22 0.98 3.37		7.23 8.33 7.03 7.78	30
31	0.90 2.84 1.48 4.01		0.99 2.46 1.21 3.43	0.65 3.46 1.27 3.75		7.12 8.12 6.87 7.39	31
MAXIMUM	4.62	4.61	5.29	4.72	7.96	8.62	MAXIMUM
MINIMUM	0.77	0.43	0.33	0.15	1.40	1.25	MINIMUM

LOCATION: LAT. 38 14 22, LONG. 121 30 57, SM SEC 35, T5N, R4E,  
AT HEAD OF GEORGIANA SLOUGH IMMEDIATELY SOUTHWEST OF  
WALNUT GROVE. AT TIMES TIDAL FLUCTUATION IS INFLUENCED \*  
BY OPERATION OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: FEB. 1929 TO DATE

TABLE 8-12 (CONTINUED)

## DAILY TIDES

891650 SACRAMENTO RIVER AT WALNUT GROVE  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	6.83 6.26	7.42 6.60	2.46 1.44	3.74 3.36	2.64 1.64	3.32 4.10	1.18 0.73	1.92 3.51	0.91 1.57	2.17 4.01	1.61 1.76	2.78	01
02	6.02 5.12	6.43 5.67	2.36 1.29	3.29 3.37	2.36 1.60	2.97 3.97	0.92 0.91	1.82 3.61	0.85 1.76	2.42 3.15	4.02 2.93	6.96 1.63	02
03	5.07 4.19	5.63 4.19	2.14 1.52	2.96 1.44	1.83 1.58	2.53 2.51	0.76 1.28	1.97 2.71	0.83 1.92	4.15 3.16	1.85 1.53		03
04	5.20 5.68	4.44 3.56	3.57 2.64	2.07 1.31	4.07 2.74	1.69 2.68	3.68 2.27	0.71 1.53	4.52 3.15	1.12 2.02	4.17 3.39	1.18 1.53	04
05	4.92 4.74	4.08 3.27	3.37 2.49	1.76 1.44	4.77 3.39	2.12 2.51	4.01 2.42	0.64 1.55	4.65 3.28	1.15 1.96	4.21 3.70	1.34 1.59	05
06	4.75 4.61	3.60 3.21	3.34 2.68	1.66 1.70	4.87 3.58	2.17 2.71	4.25 2.75	0.73 1.87	4.65 3.33	1.16 1.69	4.09 4.09	1.51	06
07	4.89 4.69	3.54 3.30	3.63 2.86	1.64 1.85	4.81 3.53	1.95 2.73	4.46 2.97	0.89 1.86	4.29 2.95	0.78 1.19	1.67 1.61	4.02 4.37	07
08	4.85 4.59	3.37 3.17	3.84 3.63	1.63 2.06	4.99 3.54	1.93 2.78	4.47 3.02	0.82 1.80	3.99 3.22	0.74 1.24	1.72 1.74	3.90 4.56	08
09	4.74 4.46	3.12 3.17	4.18 3.14	1.65 2.14	4.92 3.57	1.92 2.83	4.52 3.15	0.91 1.67	1.24 0.91	3.92 3.50	1.56 1.56	3.49 4.51	09
10	4.78 4.50	2.98 3.19	4.20 3.17	1.68 2.18	5.03 3.95	2.05 3.10	4.35 3.19	0.84 1.19	1.30 1.03	3.77 3.90	1.63 1.65	3.52 4.41	10
11	4.87 3.05	2.06 2.49	4.13 2.97	1.68 2.16	5.37 4.13	2.35 2.35	1.60 0.78	4.16 3.33	1.49 1.31	3.74 4.21	1.55 2.07	3.41 4.56	11
12	4.21 3.42	1.84 2.34	4.11 3.13	1.45	3.11 1.95	5.11 3.82	1.53 0.78	3.67 3.54	1.57 1.36	3.36 4.31	1.59 2.23	3.35 4.52	12
13	4.33 3.60	1.61	2.39 1.69	4.38 3.71	2.70 1.68	4.56 4.17	1.47 0.91	3.63 3.94	1.44 1.38	3.61 4.28	1.56 2.27	3.40 4.32	13
14	2.69 1.90	4.62 3.54	3.10 2.16	4.88 3.77	2.92 1.87	4.61 4.45	1.70 1.27	3.91 4.30	1.25 1.56	2.82 4.29	1.40 2.69	3.41	14
15	2.52 1.54	4.21 3.18	2.97 1.91	4.47 3.72	2.83 1.84	4.25 4.42	1.57 1.00	2.97 3.95	1.14 1.81	2.96 4.42	4.18 3.35	1.33 1.90	15
16	2.46 1.57	4.08 3.17	2.91 1.90	4.22 3.81	2.32 1.58	3.58 4.39	1.10 1.05	2.49 4.15	1.16 1.89	3.02	3.94 3.33	1.24 1.66	16
17	2.57 1.61	3.96 3.32	2.82 1.72	3.90 3.73	2.90 1.90	3.32 4.51	1.11 1.69	2.77	4.35 3.29	1.08 1.94	3.84 3.49	1.26 1.66	17
18	2.54 1.29	3.59 3.08	2.57 1.98	3.70 4.24	1.66 1.78	2.93	4.47 2.90	1.22 1.88	4.19 3.05	6.96 1.63	3.90 3.64	1.46 1.72	18
19	2.18 1.06	3.25	2.63 2.37	3.70	4.66 2.96	1.63 1.68	4.49 2.99	1.14 1.94	4.08 3.63	6.93 1.53	3.88 3.64	1.48 1.50	19
20	3.02 3.09	1.82 1.67	4.68 2.99	2.28 1.67	4.54 3.05	1.24 1.99	4.53 3.10	1.14 1.97	3.90 3.18	6.93 1.57	3.51 3.52	1.26	20
21	3.47 3.49	1.76 1.43	4.10 3.16	1.95 2.11	4.69 3.11	1.21 1.93	4.47 3.11	1.10 1.84	3.96 3.44	1.15 1.72	1.29 1.34	3.45 3.66	21
22	3.97 3.59	1.87 1.48	4.44 3.34	1.98 2.23	4.62 3.23	1.11 2.04	4.40 3.17	1.05 1.84	3.95 3.43	1.22	1.26 1.25	3.22 3.53	22
23	3.89 3.27	1.40 1.39	4.64 3.36	1.96 2.25	4.57 3.34	1.16 2.07	4.36 3.27	1.12 1.85	1.58 1.17	3.69 3.48	0.96 1.63	2.76 3.37	23
24	4.07 3.79	1.39 2.01	4.73 3.36	1.76 2.28	4.42 3.09	1.08	4.28 3.32	1.11	1.49 1.12	3.47 3.45	0.71 1.09	2.56 3.44	24
25	4.53 3.58	1.59 1.91	4.63 3.33	1.44 2.19	1.73 0.57	3.95 2.93	1.74 0.99	3.97 3.41	1.46 1.27	3.29 3.67	0.72 1.34	2.54 3.59	25
26	4.33 3.25	1.42 1.99	4.60 3.62	1.45	1.59 0.54	3.72 3.16	1.77 1.11	3.84 3.66	1.58 1.04	3.38 4.01	0.84 1.65	2.72 3.76	26
27	4.41 3.21	1.50	2.44 1.38	4.62 3.49	1.72 0.59	3.57 3.14	1.83 1.38	3.67 3.92	1.56 1.33	2.80 3.75	0.98 1.97	2.83 3.04	27
28	2.18 1.42	4.25 3.22	2.31 1.17	4.19 3.37	1.63 0.47	3.14 3.18	1.98 1.35	3.45 3.61	1.17 1.27	2.33 3.65	0.99 1.85	2.84 3.67	28
29	2.29 1.46	4.18 3.32	2.30 1.17	3.93 3.57	1.58 0.59	2.84 3.30	1.78 1.26	2.94 3.84	0.95 1.45	2.16 3.67	0.82 1.69	2.95 3.70	29
30	2.48 1.46	4.05 3.34	2.56 1.33	3.90	1.39 0.67	2.38 3.47	1.39 1.08	2.27 3.69	0.87 1.82	2.35 3.94	0.91 1.58	3.15	30
31			2.71 1.50	3.62 4.01			1.05 1.22	1.94 3.79	0.91 1.96	2.62 4.05			31
MAXIMUM	7.42		4.88		5.37		4.53		4.65		4.56		MAXIMUM
MINIMUM	1.00		1.17		0.47		0.64		0.74		0.71		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 12.24 - 12-25-64

ZERO OF GAGE: 1929 TO 1931 0.00 USED  
1931 TO 1940 0.33 USED  
1940 0.00 USCGS  
1964 -0.69 USCGS  
1964 TO DATE 0.00 USCGS



TABLE 8-12 (CONTINUED)

## DAILY TIDES

841560 YOLD BYPASS NEAR LISBON  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.40 4.46	7.80 6.82	01
02	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.23 3.79	7.56 6.10	02
03	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.73 3.28	7.06 5.78	03
04	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.96 3.53	7.14 6.11	04
05	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.35 3.47	7.16	05
06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6.17 7.27	4.63 3.48	06
07	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6.37 8.00	4.80 4.45	07
08	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5.21A	8.49A	08
09	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	8.52A	9.66A	09
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.36A	9.96A	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.66A	10.09A	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10.07 10.11	9.87	12
13	NR	NR	NR	NR	NR	NR	NR	NR	10.04A	10.47A	9.93A	10.36A	13
14	NR	NR	NR	NR	NR	NR	NR	NR	10.47A	11.18A	10.30A	10.51A	14
15	NR	NR	NR	NR	NR	NR	NR	NR	11.20A	12.69A	10.47A	10.57A	15
16	NR	NR	NR	NR	NR	NR	NR	NR	12.70A	13.76A	10.63A	10.49A	16
17	NR	NR	NR	NR	NR	NR	NR	NR	13.76A	13.92A	10.49A	10.16A	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10.15A	9.66A	18
19	NR	NR	NR	NR	NR	NR	NR	NR	13.26A	12.49A	9.54A	9.95A	19
20	NR	NR	NR	NR	NR	NR	NR	NR	12.48A	11.89A	9.96A	10.69A	20
21	NR	NR	NR	NR	NR	NR	NR	NR	11.89A	11.26A	10.69A	11.32A	21
22	NR	NR	NR	NR	NR	NR	NR	NR	11.26A	10.17A	11.34A	12.37A	22
23	NR	NR	NR	NR	4.06A	4.55A	NR	NR	10.14A	7.48A	12.38A	14.53A	23
24	NR	NR	NR	NR	3.93A	5.07A	NR	NR	7.35 6.69	7.75 7.00	14.54A	15.37A	24
25	NR	NR	NR	NR	4.37A	5.50A	NR	NR	5.90 5.62	7.20 7.76	15.36A	15.76A	25
26	NR	NR	NR	NR	4.78A	5.88A	NR	NR	5.17 4.94	7.20 7.43	15.57A	15.70A	26
27	NR	NR	NR	NR	5.16A	6.95A	NR	NR	4.60 4.47	7.11 7.12	15.70A	15.41A	27
28	NR	NR	NR	NR	6.46A	5.75A	NR	NR	4.41 4.40	7.39 6.90	15.40A	15.09A	28
29	NR	NR	NR	NR	5.16A	6.18A	NR	NR			15.09A	14.58A	29
30	NR	NR	NR	NR	NR	NR	NR	NR			14.57A	13.95A	30
31	NR	NR			NR	NR	NR	NR			13.94A	13.01A	31
MAXIMUM	NR		NR		NR		NR		NR		15.76A		MAXIMUM
MINIMUM	NR		NR		NR		NR		NR		3.28A		MINIMUM

NR - NO RECORD

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 28 30, LONG. 121 35 14, SE SEC 1, T7N, R3E,  
IN WEST CUT, 6.9 MILES SOUTH OF INTERSTATE 80, 5.2 MILES \*  
NORTHWEST OF CLARKSBURG.

PERIOD OF RECORD: FEB 1959 TO DATE

TABLE 8-12 (CONTINUED)  
DAILY TIDES  
891560 TOLD BYPASS NEAR LISBON  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	13.004	12.344	4.14 2.79	6.35 6.05	6.21 5.76	4.88 3.68	NR	NR	NR	NR	NR	NR	01
02	12.334	12.004	4.22 2.63	6.04	6.35 5.37	4.58 3.67	NR	NR	NR	NR	NR	NR	02
03	11.984	11.704	5.99 5.57	3.78 2.79	6.12 4.68	3.84 3.34	NR	NR	NR	NR	NR	NR	03
04	11.734	11.554	6.00 5.00	3.38 2.41	6.13 4.99	3.53 4.10	NR	NR	NR	NR	NR	NR	04
05	11.554	11.444	5.73 4.76	2.86 2.45	6.91 5.80	4.31 4.79	NR	NR	NR	NR	NR	NR	05
06	11.474	11.384	5.75 5.02	2.65 2.81	7.12 5.90	4.58 4.98	NR	NR	NR	NR	NR	NR	06
07	11.384	11.234	6.08 5.25	2.66 3.04	7.02 5.91	4.00 4.79	NR	NR	NR	NR	NR	NR	07
08	11.234	11.194	6.29 5.56	2.71 1.54	7.21 5.71	3.87 4.70	NR	NR	NR	NR	NR	NR	08
09	11.164	11.204	6.63 5.58	2.77 3.50	7.04 5.71	3.66	NR	NR	NR	NR	NR	NR	09
10	11.194	11.104	6.53 5.55	2.66 1.48	4.67 4.10	7.87 6.04	NR	NR	NR	NR	NR	NR	10
11	11.104	10.914	6.44 5.28	2.40	5.16 4.78	7.40 6.27	NR	NR	NR	NR	NR	NR	11
12	10.904	10.094	3.46 2.40	6.40 5.59	5.24 4.44	7.13 5.87	NR	NR	NR	NR	NR	NR	12
13	10.074	8.144	3.87 3.16	6.94 6.60	4.90 4.21	6.55 6.04	NR	NR	NR	NR	NR	NR	13
14	7.80 6.50	8.58 7.40	5.23 4.03	7.41 6.70	5.23 4.52	6.68 6.50	NR	NR	NR	NR	NR	NR	14
15	6.30 5.54	7.68 6.79	5.00 3.53	7.37 6.61	5.27 4.45	6.50	NR	NR	NR	NR	NR	NR	15
16	5.83 4.74	7.33 6.44	4.83 3.66	7.12 6.80	6.54 5.93	5.30 4.61	NR	NR	NR	NR	NR	NR	16
17	5.29 4.22	7.00 6.51	4.90 3.76	6.75 6.78	6.38 5.52	4.76 4.50	NR	NR	NR	NR	NR	NR	17
18	5.08 4.26	6.81	5.00 4.26	6.61	6.00 5.17	4.13 4.26	NR	NR	NR	NR	NR	NR	18
19	6.62 6.92	5.76 4.56	7.35 6.65	5.08 4.57	6.95 5.40	4.24 4.15	NR	NR	NR	NR	NR	NR	19
20	7.04 7.05	6.20 5.71	7.47 5.45	4.38 4.26	6.60 5.24	3.95 4.51	NR	NR	NR	NR	NR	NR	20
21	7.19 6.91	5.34 4.34	7.30 6.41	5.17 4.42	6.76 5.35	4.22 4.61	NR	NR	NR	NR	NR	NR	21
22	7.30 6.80	4.43 3.49	7.71 6.58	5.26 4.19	6.00 5.41	4.40 4.89	NR	NR	NR	NR	NR	NR	22
23	6.99 6.32	3.42 1.35	7.68 6.28	4.50 4.50	6.55 5.66	4.82	NR	NR	NR	NR	NR	NR	23
24	7.00 6.85	3.34 4.14	7.45 5.99	3.41 4.16	5.14 4.90	6.49 5.25	NR	NR	NR	NR	NR	NR	24
25	7.49 6.42	3.40	6.80 5.44	2.66	4.76 4.27	5.85 4.91	NR	NR	NR	NR	NR	NR	25
26	3.67 2.72	6.98 6.00	4.00 3.13	6.43 5.81	4.48 4.28	5.45 5.03	NR	NR	NR	NR	NR	NR	26
27	3.55 2.70	6.99 5.91	4.50 2.96	6.71 5.62	4.58 3.86	5.51 5.02	NR	NR	NR	NR	NR	NR	27
28	3.66 2.42	6.74 5.84	4.24 2.63	6.15 5.34	4.51 3.95	5.20 5.02	NR	NR	NR	NR	NR	NR	28
29	3.81 2.55	6.75 5.95	4.31 2.67	6.05 5.62	4.46 3.91	4.98	NR	NR	NR	NR	NR	NR	29
30	4.08 2.56	6.66 5.69	4.62 3.23	6.09 5.80	5.15 4.76	4.48 3.92	NR	NR	NR	NR	NR	NR	30
31			4.40 3.34	5.96			NR	NR	NR	NR			31
MAXIMUM	13.004		7.81		7.40		NR		NR		NR		MAXIMUM
MINIMUM	2.424		2.40		3.34		NR		NR		NR		MINIMUM

NR - NO RECORD

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD:

ZERO OF GAGE: 1959 TO 1962 0.43 USED  
1962 0.00 USED  
1962 -3.04 USCGS  
1964 -3.39 USCGS  
1964 TO DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

B91210 SACRAMENTO RIVER AT RIO VISTA  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	6.14 6.71	2.92 2.69	5.75 7.06	3.66 2.14	2.17 4.09	5.90 7.52	1.45 3.00	5.72 6.41	3.23 3.40	7.24 6.46	7.29 6.36	2.85	01
02	6.24 7.06	3.42 2.95	5.85 7.14	3.93	2.28 4.20	6.17 7.37	1.75 2.83	5.94 5.77	3.72 3.20	7.42 5.84	3.16 2.49	7.13 5.64	02
03	6.28 7.02	3.56 2.68	5.12 3.87	5.74 6.94	2.42 4.39	6.41 7.50	1.64 2.44	5.93 5.16	3.33 2.94	7.22 5.94	3.10 2.16	6.82 5.42	03
04	6.07 7.08	3.65	2.85 3.89	5.68 6.75	3.02 4.38	6.90 7.14	1.85 2.33	6.36 4.80	4.43 2.88	7.67 5.66	3.72 2.42	6.98 5.78	04
05	2.57 3.85	5.92 7.04	2.10 3.96	5.80 6.50	2.59 3.68	6.54 6.05	2.14 2.08	6.35 4.75	3.95 2.30	7.11	4.17 2.56	6.93 5.69	05
06	2.47 4.02	5.76 6.92	2.03 3.73	5.82 6.02	2.19 3.69	6.50 5.47	2.87 2.37	6.96	5.47 6.89	3.87 2.26	4.53 2.52	6.90	06
07	2.30 4.35	5.60 7.11	1.99 3.69	6.20 6.08	2.32 2.78	6.69 5.41	5.26 7.06	3.48 2.26	5.83 7.21	4.05 2.46	6.01 7.57	4.45 3.43	07
08	2.62 4.36	5.96 6.82	2.10 2.86	6.04 5.60	2.69 2.28	6.66 5.21	5.66 7.52	4.23 2.89	6.09 7.31	4.05 2.75	6.61 7.08	4.33 2.67	08
09	2.42 4.14	6.64 6.71	2.19 2.50	6.28 5.49	3.02 2.20	6.86	5.71 6.05	3.66 1.81	6.77 7.65	4.29 3.66	6.38 7.00	3.90 2.77	09
10	2.36 3.69	6.15 6.59	2.32 2.14	6.37	5.50 7.14	3.41 2.20	5.40 6.84	3.59 1.72	7.02 7.39	4.23 2.86	6.56 6.91	3.74 2.93	10
11	2.36 3.04	6.23	5.39 6.51	2.54 2.00	5.60 7.20	3.59 2.09	5.28 6.78	3.44 1.70	6.37 7.00	4.23 2.70	6.75 6.85	3.55 3.00	11
12	6.37 6.30	2.21 2.72	5.44 6.75	2.69 2.00	5.62 7.26	3.72 2.14	5.26 6.29	3.19 1.41	6.45 7.49	3.72 3.21	6.65 6.69	3.26 3.03	12
13	6.28 6.55	2.46 2.50	5.64 7.04	3.28 2.10	5.67 6.96	3.62 1.80	5.10 6.23	3.07 1.55	7.15 6.95	4.12 3.39	6.81 6.84	3.38 3.20	13
14	6.22 6.76	2.68 2.34	5.77 7.22	3.58	5.49 6.88	3.59 1.78	5.33 6.08	3.17 1.67	6.97 6.36	3.70	6.59 6.35	2.94 3.26	14
15	6.08 6.77	2.79 2.12	2.32 3.89	5.95 7.20	5.48 6.61	3.60 1.69	5.50 5.89	3.17	3.67 3.46	6.47 5.68	6.78 6.38	2.88 4.07	15
16	5.97 6.95	3.65 2.15	2.20 3.96	5.79 7.00	5.41 6.21	3.59	1.77 3.10	5.65 5.53	3.36 3.27	6.80 5.16	7.28 5.96	3.01 3.61	16
17	5.95 7.00	3.33	2.13 3.90	5.73 6.61	1.73 3.60	5.51 6.14	1.88 2.01	5.56 4.91	3.29 3.28	6.37 4.92	6.73 5.72	2.67	17
18	2.10 3.57	5.88 7.03	2.00 4.16	5.85 6.39	1.81 3.67	5.70 5.57	1.83 2.66	5.53 4.80	3.55 2.88	6.37 4.72	3.95 2.70	6.85 5.54	18
19	2.33 4.07	6.09 7.10	2.01 3.94	5.63 5.60	1.72 3.47	5.65 5.04	2.19 2.29	5.61 4.09	3.89 2.89	6.68 5.30	4.21 2.93	6.67 5.62	19
20	2.59 4.31	6.13 6.85	1.91 4.10	5.71 5.79	1.79 3.12	5.60 4.52	2.52 2.19	5.84 4.39	4.37 2.31	6.80 5.04	4.49 2.50	6.58 5.62	20
21	2.30 4.21	5.79 6.25	2.70 4.82	7.08 5.74	2.02 3.18	5.86 4.47	3.16 2.01	6.26 4.55	3.95 1.79	6.41	4.42 3.46	6.59 6.69	21
22	2.26 4.43	5.99 6.25	2.71 3.20	6.16 4.87	2.35 2.35	5.86 4.21	3.49 1.73	6.42 1.73	5.00 6.59	3.57 1.73	4.61 2.92	7.17	22
23	2.61 4.00	5.99 5.68	2.44 2.64	5.92	2.68 1.73	5.84 4.19	4.70 6.73	3.61 1.79	5.49 6.82	3.29 1.72	6.51 6.98	4.68 2.60	23
24	2.10 3.55	5.95 5.68	4.71 6.02	2.55 2.63	2.89 1.72	6.16	5.03 6.92	3.61 1.81	5.83 7.07	3.88 2.11	6.69 7.27	3.96 3.16	24
25	2.59 3.36	6.15	5.38 6.56	1.18 2.29	4.63 6.68	3.21 1.84	5.32 7.15	3.55 1.96	6.28 7.19	3.69 2.48	7.66 7.79	4.77 3.38	25
26	5.85 6.44	2.89 3.21	5.19 6.77	3.23 2.27	5.14 7.11	3.65 1.95	5.60 7.25	3.62 1.92	6.56 6.89	2.86 2.32	7.61 7.02	3.33 3.32	26
27	5.92 6.60	3.01 2.98	5.42 6.92	3.44 2.12	5.59 7.95	4.19 2.68	5.53 6.87	3.14 1.83	6.56 6.56	2.58 2.49	7.40 6.91	3.25 3.32	27
28	6.40 7.50	3.91 3.43	5.56 7.20	3.74	5.98 7.27	3.70 1.94	5.68 7.00	2.98 1.94	6.89 6.37	2.58 2.91	7.24 6.44	2.72 3.46	28
29	6.03 6.91	3.31 2.58	2.12 3.72	5.65 7.20	5.62 7.28	3.43 1.82	5.85 6.53	2.77			7.61 6.62	2.91 3.80	29
30	5.96 6.90	3.38 2.26	2.10 3.98	5.80 7.46	5.66 7.06	3.42	1.99 2.87	6.23 6.39			7.72 6.62	2.91 4.35	30
31	5.73 6.98	3.53 2.10			1.59 2.85	5.17 6.28	2.20 3.19	6.54 6.77			7.75 6.23	2.87	31
MAXIMUM	7.56		7.46		7.95		7.52		7.67		7.79		MAXIMUM
MINIMUM	2.10		1.91		1.59		1.40		1.72		2.16		MINIMUM

LOCATION: LAT. 38 08 42, LONG. 121 41 30, SW SEC. 31, T4N, R3E,  
ON DOCK AT U. S. ENGINEERS TRANSPORTATION DEPOT,  
1.1 MILES BELOW STATE HIGHWAY 12 BRIDGE.

PERIOD OF RECORD: 1925 TO DATE

TABLE 8-12 (CONTINUED)

## DAILY TIDES

801210 SACRAMENTO RIVER AT RIO VISTA  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.21 2.41	6.95 5.76	4.20 2.12	6.46 6.03	4.54 2.95	3.99 6.87	3.22 2.84	4.60 6.52	2.67 4.06	5.04 6.98	2.36 3.78	5.60 6.97	01
02	4.12 2.32	6.34 5.69	4.09 2.00	5.89 6.03	4.06 3.09	5.56 6.02	2.89 3.27	4.65 6.62	2.48 4.27	5.30 7.16	2.19 3.61	5.80 6.97	02
03	4.24 2.59	6.23 6.02	3.73 2.40	5.48 6.27	3.35 3.33	5.24 6.93	2.56 3.74	4.77 6.89	2.32 4.36	5.60 7.14	2.24 6.03	6.97 3.33	03
04	4.45 2.71	6.10 6.10	3.41 2.17	5.06 6.03	3.01 4.02	5.47 7.01	2.38 4.00	5.13 7.83	2.55 6.03	6.95 4.30	2.34 6.30	6.97 3.19	04
05	6.31 6.16	4.32 2.65	2.84 2.42	4.65 6.03	3.37 4.31	6.05 6.05	2.21 4.02	5.30 6.15	2.70 2.56	4.56 6.15	2.21 6.61	2.61 3.13	05
06	6.34 6.07	3.72 2.63	5.98 5.04	2.50 2.64	7.69 6.23	3.22 4.48	7.31 5.61	2.20 6.30	7.69 6.17	2.45 3.71	7.13 7.03	2.91 3.21	06
07	6.38 6.16	3.43 2.77	6.31 5.35	2.34 2.96	7.64 6.19	2.71 4.43	7.51 5.91	2.35 4.22	7.33 5.91	1.95 3.06	6.99 7.32	3.10 3.25	07
08	6.52 6.18	3.69 2.82	6.57 5.64	2.28 3.32	7.80 6.23	2.52 4.39	7.57 5.89	2.15 4.66	7.05 6.19	1.99 3.09	6.85 7.49	3.39 3.49	08
09	6.51 6.19	2.85 3.22	6.92 5.79	2.27 3.40	7.71 6.27	2.41 4.45	7.66 6.06	2.30 3.87	6.97 6.58	2.32 3.12	2.91 3.33	6.40 7.49	09
10	6.72 6.26	2.63 3.31	6.92 5.73	2.07 3.49	7.85 6.61	2.56 4.75	7.48 6.13	2.22 3.78	6.86 6.92	2.57 3.12	3.11 3.76	6.39 7.47	10
11	6.86 6.17	2.56 3.51	6.85 5.53	1.78 3.46	8.16 6.80	2.94 4.70	7.28 6.34	2.26 3.67	3.32 3.65	6.71 7.25	2.95 4.16	6.25 7.53	11
12	6.92 6.05	2.35 3.61	6.88 5.74	1.71 3.80	7.87 6.54	2.52 4.31	6.92 6.56	2.23 3.26	3.35 3.26	6.30 7.33	3.13 4.40	6.17 7.44	12
13	7.10 6.27	2.44 4.23	7.13 6.26	2.05 4.58	7.36 6.87	2.40 4.31	3.49 6.95	6.62 3.39	3.17 3.29	5.91 7.29	3.03 4.44	6.24 7.21	13
14	7.34 6.17	2.59 4.07	7.55 6.23	2.48 4.31	4.63 2.84	7.44 7.17	3.63 2.99	6.56 7.30	2.91 3.76	5.69 7.31	2.81 4.19	6.22 7.06	14
15	6.98 5.81	2.11 4.12	7.15 6.23	2.13	4.37 2.92	7.00 7.26	3.24 2.67	5.83 6.96	2.75 4.11	5.76 7.45	2.75 3.90	6.20 6.88	15
16	6.83 5.79	2.11 6.10	4.25 2.13	6.84 6.36	3.88 2.85	6.37 7.31	2.68 2.98	5.34 7.15	2.73 4.15	5.90 6.97	2.67 3.55	6.20 7.44	16
17	4.38 2.20	6.67 5.92	4.15 1.95	6.48 6.31	3.44 3.47	5.95 7.43	2.68 3.77	5.59 7.48	7.31 6.12	2.58 4.09	6.80 6.35	6.24 3.46	17
18	4.31 1.94	6.27 5.74	3.83 2.47	6.23 6.92	2.84 3.51	5.69 7.55	2.61 3.99	5.69 7.48	7.18 5.96	2.39 3.75	6.84 6.51	2.99 3.52	18
19	3.96 1.70	5.94 5.73	3.60 2.77	6.13 7.28	2.82 3.45	5.73	2.44 4.10	5.83 6.94	7.06 5.94	2.30 3.57	6.79 6.61	3.04 3.23	19
20	3.41 1.91	5.85 6.10	2.94 2.10	5.28	7.45 5.82	2.30 4.02	7.54 5.94	2.42 4.11	6.88 6.08	2.28 3.51	6.45 6.44	2.86 7.94	20
21	6.25 6.21	3.20 2.45	6.78 5.60	2.26 2.92	7.54 5.89	2.30 4.02	7.48 5.97	2.35 3.95	6.97 6.36	2.57 3.65	6.41 6.93	3.12 2.88	21
22	6.78 6.26	3.00 2.48	7.21 5.87	2.27 3.23	7.54 6.00	2.22 4.13	7.44 6.07	2.30 3.90	6.91 6.29	2.63 3.42	6.13 6.45	3.12 2.59	22
23	6.73 6.03	2.39 2.55	7.39 6.00	2.25 3.45	7.53 6.12	2.30 4.14	7.37 6.16	2.41 3.87	6.65 6.38	2.68 3.20	5.67 6.32	2.96	23
24	6.96 6.55	2.28 3.40	7.53 6.07	2.60 3.80	7.35 5.93	2.28 3.78	7.29 6.22	2.41 3.80	6.42 6.38	2.68	2.27 3.22	5.47 6.43	24
25	7.40 6.31	2.38 3.26	7.53 6.09	1.97 3.83	6.90 5.60	1.76 3.71	6.99 6.34	2.38 3.86	3.19 3.06	6.23 6.60	2.33 3.63	5.44 6.57	25
26	7.15 5.94	1.87 3.27	7.50 6.35	2.14 4.20	6.86 5.99	1.76	6.82 6.54	2.62 3.93	3.46 3.49	6.24 6.86	2.57 4.04	5.63 6.72	26
27	7.19 5.85	1.84 3.44	7.49 6.24	2.12 4.15	3.88 1.87	6.46 6.05	6.62 6.88	3.12 6.97	3.31 3.28	5.83 6.85	2.75 4.44	5.69 6.75	27
28	7.02 5.87	1.66 3.74	7.07 6.13	1.88 4.18	3.77 1.98	6.02 6.11	4.07 3.22	6.37 6.97	2.90 3.47	5.15 6.56	2.67 4.32	5.74 6.62	28
29	6.94 5.96	1.87	6.74 6.36	1.91	3.84 2.29	5.72 6.26	3.84 3.21	5.74 6.81	2.59 3.76	4.95 6.59	2.50 4.05	5.87 6.65	29
30	4.09 1.98	6.80 6.02	4.57 2.34	6.74 6.71	3.56 2.54	5.21 6.43	3.36 3.32	5.15 6.67	2.40 4.18	5.13 6.87	2.54 3.73	6.08 6.46	30
31			4.77 2.65	6.43 6.75			2.92 3.62	4.82 6.75	2.33 4.29	5.45 7.02			31
MAXIMUM	7.40	7.55	6.16	7.66	7.78	7.55	MAXIMUM						
MINIMUM	1.66	1.71	1.70	2.15	1.95	2.19	MINIMUM						

MAXIMUM GAGE HEIGHT OF RECORD: 10.2 - 12-26-55

ZERO OF GAGE: 1925 6.00 USED  
1961 -0.57 USED  
1961 -1.63 USCGS  
1964 -3.80 USCGS  
1964 TO DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

B91160 THREE MILE SLOUGH AT SACRAMENTO RIVER  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.17 3.72	0.08 0.00	2.79 4.11	0.81 -0.70	2.92 4.52	1.21	-1.41 0.15	2.72 3.41	0.33 0.52	4.21 3.41	4.22 3.33	-0.01	01
02	3.25 4.07	0.56 0.10	2.87 4.17	1.08	-0.64 1.33	3.16 4.39	-1.10 -0.02	2.96 2.79	0.88 0.36	4.42 2.85	0.30 -0.38	4.09 2.64	02
03	3.31 4.03	0.72 -0.17	-0.74 1.01	2.77 3.97	-0.47 1.50	3.44 4.56	-1.20 -0.39	2.94 2.19	0.49 0.07	4.22 2.97	0.26 -0.69	3.79 2.43	03
04	3.09 4.10	0.79	-0.84 1.03	2.70 3.78	0.14 1.50	3.91 4.15	-0.98 -0.51	3.36 1.83	1.56 0.00	4.67 2.67	0.88 -0.45	3.91 2.80	04
05	-0.29 1.00	2.96 4.08	-0.78 1.10	2.85 3.54	-0.31 0.79	3.55 3.05	-0.69 -0.75	3.36 1.80	1.09 -0.55	4.11	1.33 -0.30	3.95 2.91	05
06	-0.38 1.18	2.79 3.94	-0.84 0.84	2.87 3.09	-0.71 0.21	3.47 2.48	0.04 -0.47	3.98	2.46 3.88	1.01 -0.60	1.69 -0.33	3.93	06
07	-0.57 1.50	2.84 4.13	-0.89 0.83	3.23 3.13	-0.55 -0.11	3.66 2.42	2.29 4.07	0.64 -0.59	2.83 4.20	1.20 -0.40	3.02 4.52	1.59 0.54	07
08	-0.24 1.50	2.98 3.84	-0.77 0.02	3.10 2.65	-0.19 -0.60	3.64	2.68 4.52	1.41 -0.26	3.08 4.29	1.20 -0.12	3.61 4.07	1.49 0.00	08
09	-0.43 1.27	3.06 3.72	-0.68 -0.35	3.30 2.52	2.23 3.86	0.17 -0.68	2.75 3.86	0.82 -1.05	3.75 4.60	1.42 0.77	3.35 3.94	1.07 -0.10	09
10	-0.50 0.83	3.18 3.61	-0.52 -0.72	3.41	2.50 4.15	0.56 -0.70	2.41 3.85	0.75 -1.14	3.96 4.36	1.37 -0.03	3.53 3.89	0.89 0.06	10
11	-0.50 0.20	3.24 3.40	2.45 3.55	-0.30 -0.86	2.60 4.19	0.72 -0.81	2.30 3.78	0.60 -1.16	3.35 3.97	0.86 -0.17	3.70 3.84	0.70 0.13	11
12	-0.64 -0.14	3.30	2.50 3.80	0.04 -0.87	2.63 4.24	0.85 -0.75	2.28 3.30	0.35 -1.46	3.43 4.04	0.84 0.32	3.58 3.64	0.41 0.16	12
13	3.30 3.55	-0.39 -0.36	2.68 4.08	0.43 -0.78	2.67 3.95	0.77 -1.09	2.11 3.24	0.24 -1.29	4.13 3.92	1.23 0.49	3.75 3.76	0.52 0.33	13
14	3.23 3.75	-0.17 -0.51	2.80 4.25	0.73 -0.55	2.49 3.87	0.74 -1.12	2.35 3.11	0.33 -1.17	3.93 3.30	0.87	3.57 3.31	0.67 0.38	14
15	3.10 3.78	-0.05 -0.73	2.99 4.23	1.04 -0.67	2.48 3.60	0.74	2.52 2.92	0.34	0.20 0.59	3.46 2.88	3.73 3.26	-0.01 1.16	15
16	2.98 3.96	0.20 -0.71	2.84 4.05	1.11	-1.20 0.73	2.43 3.25	-1.06 0.27	2.67 2.58	0.47 0.42	3.77 2.19	4.27 4.94	0.13 0.75	16
17	2.97 4.01	0.48	-0.76 1.05	2.78 3.65	-1.13 0.81	2.55 3.18	-1.03 0.00	2.58 1.96	0.45 0.36	3.37 1.95	3.71 2.72	-0.23	17
18	-0.76 0.74	2.89 4.05	-0.88 1.32	2.89 3.45	-1.03 0.83	2.73 2.62	-0.99 -0.15	2.56 1.66	0.66 -0.02	3.36 1.75	1.08 -0.19	3.94 2.54	18
19	-0.53 1.21	3.10 4.11	-0.86 1.11	2.66 2.86	-1.12 0.44	2.67 2.10	-0.64 -0.54	2.65 1.17	0.99 -0.02	3.69 2.33	1.35 0.02	3.88 2.65	19
20	-0.27 1.44	3.13 3.86	-0.95 1.25	2.76 2.86	-1.05 0.29	2.63 1.59	-0.30 -0.63	2.88 1.44	1.50 -0.57	1.81	1.63 -0.38	3.60 2.83	20
21	-0.53 1.37	2.85 3.29	-0.17 1.97	4.05 2.85	-0.81 0.35	2.89 1.55	0.37 -0.82	3.29 1.60	2.07 3.47	1.08 -1.07	1.56 0.55	3.60 3.70	21
22	-0.59 1.56	3.00 3.27	-0.16 0.35	3.18 1.91	-0.46 -0.48	2.92 1.28	0.68 -1.10	3.46	2.04 3.57	0.71 -1.16	1.94 0.02	4.14	22
23	-0.26 1.16	3.01 2.73	-0.41 -0.23	2.96 1.76	-0.20 -1.10	2.94	1.75 3.77	0.78 -1.05	2.46 3.78	0.43 -1.08	3.46 3.93	1.20 -0.31	23
24	-0.54 0.70	2.98 2.71	-0.30 -0.18	3.07	1.26 3.22	0.36 -1.13	2.07 3.95	0.79 -1.04	2.80 4.01	0.23 -0.77	3.63 4.20	0.94 0.20	24
25	-0.26 0.51	3.17 2.88	2.41 3.53	0.30 -0.58	1.67 3.70	0.38 -1.01	2.35 4.17	0.75 -0.68	3.24 4.13	0.23 -0.41	4.56 4.78	1.83 0.44	25
26	0.02 0.35	3.46	2.22 3.78	0.37 -0.62	2.18 4.13	0.81 -0.90	2.62 4.28	0.78 -0.92	3.49 3.83	0.00 -0.54	3.98 3.99	0.43 0.36	26
27	2.95 3.62	0.16 0.12	2.45 3.95	0.61 -0.78	2.61 4.97	1.35 -0.17	2.55 3.96	0.35 -1.01	3.50 3.50	-0.28 -0.37	4.33 3.85	0.28 0.35	27
28	3.41 4.49	1.02 0.58	2.60 4.24	0.87 -0.76	3.08 4.32	0.90 -0.85	2.70 4.00	0.15 -0.90	3.84 3.33	-0.26 0.05	4.17 3.36	-0.21 0.51	28
29	3.08 3.94	0.45 -0.28	2.68 4.21	0.86 -0.81	2.72 4.30	0.63 -1.04	2.88 3.54	-0.06			4.53 3.52	-0.07 0.84	29
30	2.92 3.91	0.52 -0.60	2.82 4.45	1.10 -0.75	2.67 4.09	0.58	-0.83 0.02	3.23 3.41			4.64 3.54	-0.06 1.49	30
31	2.75 4.01	0.68 -0.76			-1.19 -0.13	2.26 3.32	-0.55 0.30	3.56 3.75			4.68 3.21	-0.02	31
MAXIMUM	4.49		4.45		4.97		4.52		4.67		4.78		MAXIMUM
MINIMUM	-0.76		-0.95		-1.20		-1.46		-1.16		-0.69		MINIMUM

LOCATION: LAT. 38 06 18, LONG. 121 41 57, NE SEC. 13, T39N, R2E,  
ON SHERMAN ISLAND, 0.1 MILE EAST OF STATE HIGHWAY 160 BRIDGE,  
3.6 MILES SOUTH OF RIO VISTA, IN TIDAL ZONE. MAXIMUM GAGE  
HEIGHT DOES NOT INDICATE MAXIMUM DISCHARGE.

PERIOD OF RECORD: APRIL 1929 TO DATE

TABLE 8-12 (CONTINUED)

## DAILY TIDES

891160 THREE MILE SLOUGH AT SACRAMENTO RIVER  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.32 -0.53	3.41 2.72	1.34 -0.78	3.44 3.01	1.65 0.07	3.00 3.93	0.38 0.02	1.86 3.55	-0.20 1.21	2.07 4.00	NR	NR	01
02	1.23 -0.59	3.34 2.68	1.21 -0.90	2.92 3.01	1.17 0.21	2.58 3.80	0.06 0.44	1.71 3.67	-0.39 1.41	2.33 4.17	NR	NR	02
03	1.35 -0.33	3.24 3.00	0.86 -0.48	2.51 3.26	0.50 0.50	2.27 3.93	-0.29 0.88	1.89 3.92	-0.54 1.50	2.41 4.56	NR	NR	03
04	1.56 -0.17	3.16 2.91	0.56 -0.71	2.68 3.01	0.16 1.16	2.49 4.57	-0.47 1.16	2.15 4.06	-0.22 1.45	3.03 3.29	4.17 -0.52	0.34 0.34	04
05	3.29 3.17	1.45 -0.22	-0.02 -0.45	1.67 1.42	0.50 1.42	3.04 3.04	-0.65 1.16	2.32 1.16	NR	NR	4.18 3.59	-0.24 0.28	05
06	3.30 3.09	0.87 -0.23	2.96 2.05	-0.36 -0.19	4.68 3.20	0.32 1.57	4.31 2.82	-0.66 1.44	NR	NR	4.10 3.98	0.84 0.32	06
07	3.33 3.14	0.57 -0.11	3.29 2.34	-0.53 0.11	4.62 3.17	-0.16 1.54	4.52 2.83	-0.54 1.35	NR	NR	3.98 4.27	0.24 0.37	07
08	3.48 3.14	0.23 -0.04	3.56 2.63	-0.59 0.45	4.78 3.22	-0.33 1.52	4.56 2.89	-0.72 1.18	NR	NR	3.83 4.50	0.53 0.45	08
09	3.47 3.16	-0.02 0.34	3.88 2.75	-0.60 0.54	4.68 3.25	-0.46 1.57	4.62 3.03	-0.57 0.97	NR	NR	0.06 0.49	3.39 4.45	09
10	3.69 3.22	-0.25 0.45	3.90 2.70	-0.62 0.63	4.81 3.57	-0.33 1.86	4.45 3.10	-0.64 0.88	NR	NR	0.23 0.91	3.48 4.47	10
11	3.81 3.16	-0.31 0.66	3.84 2.51	-1.09 0.60	5.10 3.73	0.02 1.81	4.27 3.30	-0.67 0.77	NR	NR	0.10 1.31	3.24 4.53	11
12	3.91 3.01	-0.50 0.76	3.86 2.71	-1.16 0.93	4.84 3.52	-0.36 1.44	3.91 3.54	-0.63 0.91	NR	NR	0.25 1.53	3.17 4.44	12
13	4.07 3.20	-0.41 1.34	4.11 3.19	-0.84 1.66	4.36 3.81	-0.48 1.81	4.63 3.82	3.82 3.91	NR	NR	0.15 1.57	3.25 4.22	13
14	4.31 3.16	-0.28 1.22	4.53 3.19	-0.42 1.40	1.75 -0.07	4.38 4.09	0.78 0.00	3.54 4.25	NR	NR	-0.07 1.31	3.22 4.04	14
15	3.98 2.81	-0.75 1.27	4.14 3.21	-0.76 1.04	1.51 0.04	3.96 4.20	0.37 -0.19	2.85 3.95	NR	NR	-0.13 1.04	3.21 4.04	15
16	3.83 2.78	-0.75 1.04	1.36 -0.76	3.84 3.33	1.01 -0.04	3.33 4.27	-0.17 0.14	2.36 4.15	NR	NR	3.88 3.21	-0.17 0.68	16
17	1.45 -0.68	3.68 2.91	1.28 -0.93	3.47 3.27	0.59 0.60	2.93 4.40	-0.18 0.88	2.60 4.44	NR	NR	3.79 3.35	-0.11 0.59	17
18	1.44 -0.93	3.29 2.72	0.96 -0.43	3.22 3.84	-0.01 0.68	2.72 4.60	-0.26 1.11	2.68 4.47	NR	NR	3.96 3.49	0.14 0.64	18
19	1.18 -1.16	2.97 2.72	0.74 0.12	3.11 4.25	-0.93 0.02	2.75 0.02	-0.43 1.22	2.63 1.22	NR	NR	3.76 3.50	0.17 0.36	19
20	0.57 -0.95	2.87 2.67	0.19 -0.72	2.41 3.84	4.48 2.84	-0.56 1.14	4.52 2.93	-0.46 1.22	NR	NR	3.45 3.44	0.02 0.04	20
21	3.22 3.20	0.35 -0.43	3.74 2.60	-0.59 0.05	4.64 2.90	-0.57 1.15	4.48 2.97	-0.51 1.07	NR	NR	3.40 3.54	0.28 0.02	21
22	3.70 3.25	0.14 -0.37	4.16 2.84	-0.62 0.36	4.59 3.01	-0.64 1.29	4.44 3.06	-0.56 1.01	NR	NR	3.15 3.45	0.29 -0.26	22
23	3.70 3.02	-0.46 -0.29	4.35 2.98	-0.63 0.58	4.55 3.10	-0.59 1.29	4.36 3.15	-0.45 0.98	NR	NR	2.69 3.33	0.15 0.15	23
24	3.94 3.50	-0.57 0.52	4.49 3.04	-0.78 0.93	4.38 2.95	-0.59 0.93	4.28 3.19	-0.44 0.92	NR	NR	-0.57 0.38	2.50 3.44	24
25	4.38 3.29	-0.49 0.40	4.54 3.08	-0.98 0.97	3.95 2.81	-1.17 0.86	3.98 3.32	-0.48 0.98	NR	NR	-0.51 0.76	2.47 3.60	25
26	4.15 2.91	-0.98 0.41	4.49 3.28	-0.72 1.32	3.66 2.98	-1.06 1.02	3.61 3.51	-0.24 1.06	NR	NR	-0.29 1.19	2.66 3.75	26
27	4.17 2.82	-1.03 0.58	4.47 3.22	-0.73 1.29	3.50 3.05	-0.96 1.29	3.63 3.85	0.27 0.27	NR	NR	-0.11 1.58	2.75 3.74	27
28	4.01 2.85	-1.17 0.86	4.06 3.14	-0.92 1.33	0.92 -0.89	3.06 3.12	1.20 0.36	3.39 3.96	NR	NR	-0.23 1.46	2.78 3.64	28
29	3.93 2.93	-1.01 0.86	3.76 3.33	-0.95 1.33	0.99 -0.56	2.78 3.27	0.95 0.35	2.81 3.82	NR	NR	-0.35 1.19	2.90 3.67	29
30	1.22 -0.92	3.79 2.99	1.71 -0.53	3.74 3.66	0.71 -0.31	2.26 3.48	0.51 0.47	2.19 3.67	NR	NR	-0.32 0.87	3.16 3.86	30
31			1.88 -0.22	3.44 3.73			0.95 0.78	1.87 3.76	NR	NR			31
MAXIMUM	4.38		4.54		5.10		4.62		NR		NR		MAXIMUM
MINIMUM	-1.17		-1.16		-1.17		-0.72		NR		NR		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.7 - 12-26-55

ZERO OF GAGE: 1929 TO 1940 0.00 USED  
1940 TO 1959 0.00 USCGS  
1959 -10.00 USCGS  
1964 -10.24 USCGS  
1964 TO DATE 0.00 USCGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

891110 SACRAMENTO RIVER AT COLLINSVILLE  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.30 5.81	2.41 2.20	4.88 6.28	3.12 1.59	5.02 6.61	3.57 1.68	4.85 5.55	2.50 2.74	2.74 5.58	6.40 5.58	6.33 5.42	2.34 2.46	01
02	5.36 6.78	2.79 2.29	4.98 6.31	3.43 1.53	5.27 6.52	3.68 1.52	1.22 2.38	5.07 4.93	3.20 2.68	6.54 4.96	6.20 4.71	1.05 02	02
03	5.40 6.12	3.01 2.07	4.88 6.10	3.35 1.50	5.45 3.91	5.64 6.79	1.15 1.96	5.07 4.31	2.83 2.35	6.33 5.03	2.60 1.60	5.95 4.53	03
04	5.18 6.19	3.11 2.00	4.45 3.36	4.81 5.93	2.44 3.75	6.80 6.24	1.37 1.83	5.59 3.96	3.89 2.27	6.73 4.73	3.23 1.90	6.01 4.88	04
05	5.03 6.19	3.35 2.00	4.48 3.43	4.94 5.66	1.99 3.12	5.65 5.12	1.65 1.60	5.52 3.95	3.42 1.75	6.19 5.15	3.78 2.04	6.06 5.02	05
06	1.89 3.51	4.88 6.05	1.47 3.13	4.99 5.24	1.59 2.51	5.57 4.56	2.39 1.87	6.13 4.45	4.57 5.98	3.34 1.69	4.84 2.02	6.74 2.66	06
07	1.73 3.79	4.90 6.16	1.43 3.17	5.34 5.21	1.75 2.20	5.75 4.53	2.98 1.72	6.21 5.97	4.91 6.29	3.53 1.91	5.18 6.61	4.00 2.66	07
08	1.93 3.74	4.98 5.86	1.53 2.34	5.21 4.76	2.15 1.72	5.73 4.31	4.75 6.55	3.62 1.93	5.17 6.37	3.52 2.19	5.71 6.15	3.67 2.25	08
09	1.71 3.49	5.16 5.76	1.62 1.97	5.44 4.64	2.48 1.64	5.98 5.97	4.82 5.97	3.09 1.26	5.80 6.65	3.73 2.95	5.38 5.93	3.25 2.25	09
10	1.76 3.07	5.24 5.70	1.81 1.62	5.56 4.61	4.60 6.25	2.88 1.61	4.55 5.98	3.11 1.15	6.03 6.43	3.78 2.74	5.62 5.95	3.23 2.32	10
11	1.80 2.51	5.16 5.35	2.05 1.47	5.71 5.97	4.70 6.29	3.04 1.48	4.41 5.98	2.99 1.14	5.39 6.02	3.17 2.10	5.73 5.93	3.03 2.42	11
12	1.69 2.17	5.44 5.77	4.65 5.97	2.37 1.45	4.73 6.35	3.19 1.53	4.40 5.43	2.69 0.84	5.49 6.10	3.20 2.05	5.66 5.69	2.71 2.43	12
13	5.43 5.68	1.93 1.95	4.81 6.20	2.75 1.53	4.77 6.44	3.07 1.20	4.24 5.37	2.57 1.05	6.21 5.93	3.50 2.70	5.77 5.69	2.74 2.64	13
14	5.39 5.89	2.16 1.81	4.94 6.37	3.05 1.70	4.58 5.99	3.08 1.17	4.50 5.27	2.67 1.16	5.89 5.31	3.11 2.44	5.61 5.37	2.16 2.75	14
15	5.22 5.91	2.29 1.68	5.07 6.33	3.33 1.60	4.58 5.72	3.87 1.11	4.66 5.05	2.69 1.24	5.49 4.92	2.44 2.72	5.78 5.27	2.27 3.40	15
16	5.11 6.09	2.53 1.61	4.94 6.16	3.46 1.59	4.55 5.38	3.88 1.17	4.79 4.69	2.67 1.33	5.75 4.24	2.63 2.42	6.27 4.93	2.39 3.04	16
17	5.10 6.14	2.82 1.58	4.89 5.77	3.43 1.57	4.64 5.29	3.16 1.09	4.70 4.09	2.36 2.67	5.41 5.53	4.03 4.03	5.77 4.76	2.07 3.44	17
18	5.11 6.16	2.99 1.50	4.98 5.56	1.29 3.17	4.83 4.74	1.37 2.20	4.67 3.41	2.91 2.20	5.48 3.82	5.90 4.57	2.08 3.66	18	
19	1.74 3.54	5.18 6.22	1.47 3.44	4.77 4.98	1.21 2.96	4.78 4.22	1.75 1.82	4.78 3.20	3.25 2.20	5.79 4.31	5.94 4.67	2.18 3.44	19
20	1.98 3.78	5.21 5.98	1.41 3.59	4.88 4.98	1.28 2.44	4.75 3.73	2.06 1.69	5.01 3.57	3.68 1.66	5.83 5.83	3.87 1.84	5.43 4.68	20
21	1.92 3.72	4.95 5.40	2.16 4.23	6.12 4.92	1.53 2.64	5.02 3.68	2.71 1.55	5.41 3.72	4.13 5.57	3.36 1.17	3.87 2.76	5.72 5.79	21
22	1.70 3.87	5.10 5.28	2.12 2.70	5.26 4.04	1.84 1.85	5.04 3.35	3.01 1.18	5.55 5.65	4.12 5.15	3.04 1.12	4.21 2.20	6.13 1.48	22
23	1.98 3.44	5.11 4.94	1.94 2.12	5.08 3.90	2.12 1.25	5.06 3.36	3.84 5.87	3.12 1.24	4.51 5.84	2.74 1.18	5.45 5.94	3.47 1.48	23
24	1.77 3.02	5.18 4.43	2.18 2.07	4.52 4.52	2.42 1.70	5.34 4.06	4.18 6.06	3.13 1.20	4.84 6.09	2.53 1.56	5.67 6.20	3.19 2.11	24
25	2.75 2.81	5.28 4.06	2.62 1.73	5.65 4.66	3.79 5.83	2.72 1.31	4.47 6.28	3.67 1.41	5.31 6.21	2.56 1.83	6.52 6.87	3.78 2.41	25
26	2.26 2.64	4.54 5.89	4.23 1.70	2.71 1.70	4.30 6.24	3.17 1.43	4.73 6.44	3.08 1.37	5.54 5.89	2.31 1.79	5.98 5.97	2.45 2.46	26
27	5.75 5.74	2.46 2.45	4.54 6.06	2.92 1.54	4.74 7.17	3.69 2.23	4.64 6.16	2.64 1.30	5.00 5.60	1.79 1.95	6.31 5.85	2.19 2.47	27
28	5.53 6.48	2.26 2.87	4.70 6.35	1.22 1.55	5.23 6.61	3.31 1.49	4.82 6.10	2.59 1.44	5.95 5.42	2.09 2.30	6.16 5.36	1.99 2.45	28
29	5.22 6.06	2.76 2.44	4.80 6.38	3.21 1.50	4.86 6.46	3.00 1.27	5.03 5.71	2.31 1.49	5.81 5.81	2.31 2.31	6.58 5.52	2.05 3.53	29
30	5.26 6.03	2.49 1.64	4.92 6.56	3.46 1.55	4.80 6.20	2.91 1.16	5.38 5.54	2.44 1.81	5.81 5.81	2.44 2.44	6.67 5.54	2.05 3.57	30
31	4.89 6.14	2.00 1.55			4.41 5.49	2.24 0.92	5.73 5.97	2.72			6.73 5.24	2.18	31
MAXIMUM	6.49		6.56		7.17		6.55		6.73		6.87		MAXIMUM
MINIMUM	1.55		1.41		0.92		0.86		1.12		1.68		MINIMUM

LOCATION: LAT. 38 04 25 LONG. 121 51 18, SW SEC. 27, T3N, R1E  
0.4 MILE SOUTHWEST OF COLLINSVILLE 3.3 MILES NORTHEAST  
OF PITTSBURG.

PERIOD OF RECORD: JUNE 1929 TO DATE



TABLE 8-12 (CONTINUED)

## DAILY TIDES

R0111A SACRAMENTO RIVER AT COLLINSVILLE  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	3.53	5.96	3.60	5.50	3.72	4.95	2.63	3.91	2.13	4.14	1.77	4.44	01
	1.65	4.76	1.42	4.99	2.23	5.75	2.28	5.41	3.54	6.05	3.27	6.24	
02	3.48	5.41	3.48	4.94	3.27	4.59	2.34	3.74	1.92	4.37	1.64	4.85	02
	1.58	4.70	1.32	4.99	2.40	5.84	2.71	5.77	3.74	6.22	3.10	6.19	
03	3.66	5.27	3.14	4.59	2.91	4.32	2.00	3.87	1.77	4.66	1.72	5.12	03
	1.89	5.03	1.64	5.24	2.79	5.99	3.04	5.94	3.79	6.56	2.87		
04	3.89	5.25	2.82	4.18	2.49	4.59	1.80	4.21	2.03	5.05	6.24	1.81	04
	2.64	5.16	1.52	5.05	3.42	6.51	3.39	6.14	3.70		5.36	2.44	
05	3.78	5.23	2.27	3.94	2.64	5.02	1.60	4.39	6.67	1.42	6.23	2.84	05
	2.75		1.82	5.04	3.61	6.85	3.44	6.37	5.14	3.52	5.63	2.49	
06	5.35	3.20	1.91	4.14	2.44	5.19	1.61	4.44	6.71	1.81	6.07	2.54	06
	5.14	2.05	2.08		3.76		3.62		5.15	3.13	5.96	2.62	
07	5.15	2.84	5.35	1.78	6.67	2.03	6.55	1.61	6.37	1.49	5.97	2.49	07
	5.18	2.74	4.41	2.37	5.18	3.74	4.83	3.54	4.97	2.54	6.26	2.44	
08	5.55	2.55	5.64	1.69	6.81	1.94	6.61	1.55	6.10	1.55	5.81	2.72	08
	5.20	2.27	4.88	2.71	5.24	1.82	4.91	3.45	5.21	2.50	6.51		
09	5.54	2.26	5.67	1.59	6.78	1.85	6.63	1.64	6.02	1.83	2.39	5.17	09
	5.21	2.61	4.76	2.82	5.32	3.86	5.05	3.21	5.58	2.57	2.80	6.44	
10	5.78	2.08	5.92	1.48	6.87	1.96	6.48	1.62	5.81	2.07	2.39	5.25	10
	5.24	2.75	4.71	2.88	5.57	4.04	5.14	3.18	5.90	2.88	3.14	6.44	
11	5.88	1.94	5.92	1.28	7.67	2.12	6.31	1.59	5.68	2.48	2.33	5.24	11
	5.20	2.91	4.57	2.88	5.67	3.92	5.30	2.94	6.20		3.54	6.43	
12	5.97	1.82	5.97	1.16	6.86	1.92	5.94	1.65	2.69	5.26	2.39	5.17	12
	5.69	3.05	4.79	3.26	5.56	3.69	5.56		2.80	4.26	3.75	6.41	
13	6.10	1.88	6.24	1.42	6.42	1.75	2.92	5.70	2.43	4.89	2.31	5.21	13
	5.22	3.47	5.14	3.64	5.73	3.78	1.83	5.93	2.75	6.27	3.75	6.14	
14	6.37	2.01	6.56	1.68	6.15	2.02	3.04	5.54	2.29	4.74	2.10	5.28	14
	5.19	3.53	5.09	3.55	5.94		2.27	6.19	3.21	6.30	3.51	5.88	
15	6.27	1.59	6.16	1.43	3.65	5.94	2.67	4.92	2.13	4.78	2.00	5.22	15
	4.90	3.61	5.21		2.15	6.13	2.17	6.02	3.49	6.39	3.26	5.87	
16	5.90	1.54	3.56	5.87	3.20	5.34	2.14	4.44	2.08	4.91	2.03	5.24	16
	4.82	3.75	1.42	5.36	2.12	6.31	2.48	6.22	3.54	6.31	2.95		
17	5.74	1.56	3.53	5.53	2.83	4.91	2.09	4.64	1.96	5.02	5.79	2.14	17
	4.91		1.35	5.31	2.73	6.45	3.14	6.44	3.39	6.23	5.36	2.85	
18	3.72	5.37	3.18	5.27	2.25	4.79	2.00	4.70	1.82	5.01	5.83	2.81	18
	1.26	4.71	1.69	5.78	2.92	6.64	3.29	6.51	3.22		5.49	2.11	
19	3.38	5.03	2.95	5.11	2.21	4.84	1.85	4.85	6.15	1.78	5.68	2.74	19
	1.17	4.78	2.15	6.22	2.92	6.50	3.48		5.02	3.02	5.44	2.45	
20	2.87	4.96	2.46	4.53	1.74	4.89	6.55	1.88	5.93	1.76	5.49	2.39	20
	1.36	5.28	1.61	5.81	3.33		4.94	3.43	5.11	2.97	5.48	2.77	
21	2.67	5.28	1.72	4.70	1.67	1.70	6.51	1.77	6.07	2.84	5.41	2.53	21
	1.80	5.73	2.30	6.23	4.95	3.41	5.01	3.37	5.37	3.06	5.60	2.95	
22	2.34	5.31	1.64	4.92	1.67	1.61	6.48	1.79	5.92	2.13	5.19	2.63	22
	1.90		2.62		3.54	3.54	5.12	3.37	5.32	2.94	5.44	2.61	
23	5.82	1.92	6.40	1.60	6.44	1.61	6.41	1.84	5.71	2.14	4.74	2.49	23
	5.14	2.35	5.04	2.87	5.89	3.54	6.19	3.24	5.39	2.70	5.41	1.77	
24	6.76	1.80	6.57	1.53	6.49	1.58	6.29	1.92	5.47	2.19	4.54	2.77	24
	5.55	2.73	5.11	3.22	5.81	3.22	5.22	3.22	5.41	2.63	5.40		
25	6.47	1.79	6.46	1.43	6.85	1.14	6.84	1.89	5.27	2.49	1.81	4.64	25
	5.34	2.75	5.16	1.30	6.85	3.15	5.34	3.25	5.64	2.76	3.12	5.47	
26	6.28	1.29	6.57	1.55	5.77	1.25	5.87	2.19	5.21	2.79	1.95	4.49	26
	5.00	2.69	5.32	1.57	5.84	3.27	5.55	3.38	5.81		3.52	4.78	
27	6.22	1.27	6.57	1.57	5.54	1.36	5.67	2.48	2.65	4.71	2.02	4.71	27
	4.88	2.89	5.27	3.60	5.17	3.17	5.82		2.73	5.86	3.77	5.70	
28	6.13	1.15	6.20	1.41	5.13	1.43	3.39	5.41	2.28	4.24	1.89	4.74	28
	4.90	3.20	6.23	3.68	5.19		2.61	5.94	2.92	5.61	3.75	5.44	
29	6.23	1.11	5.89	1.42	3.99	4.83	3.21	4.94	1.99	4.00	1.85	4.64	29
	4.94	3.51	5.39		1.71	5.33	2.63	5.88	3.20	5.81	3.50	5.71	
30	5.89	1.19	3.99	5.82	2.97	4.31	2.81	4.26	1.78	4.13	1.89	5.14	30
	5.85		1.79	5.64	1.90	5.46	2.74	5.74	3.56	5.88	3.14	5.82	
31			4.02	5.48			2.35	3.97	1.75	4.52			31
			2.01	5.73			3.15	5.82	3.69	6.07			
MAXIMUM	4.47		6.66		7.07		6.63		4.71		4.53		MAXIMUM
MINIMUM	1.15		1.16		1.14		1.55		1.49		1.64		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 9.2 - 4/6/58

ZERO OF GAGE: 1929      0.00 USED  
1929      -3.05 USGS  
1964      -3.34 USGS  
1964 TO DATE -3.00 USGS

## DAILY TIDES

895820 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.46 3.51	3.88 4.13	4.23 4.16	4.43 4.92	3.05 3.40	3.66 4.43	2.38 2.91	3.25 3.67	3.18 3.20	3.83	3.05 2.99	3.91 3.46	01
02	3.60 3.73	4.03 4.46	3.94 4.11	4.37 4.82	3.15 3.56	3.86 4.40	2.79 2.82	3.42 3.23	3.59 4.45	3.35 3.40	2.90 2.79	3.76	02
03	3.64 3.55	3.97 4.14	3.94 4.23	4.43 4.84	3.26 3.43	3.86	2.15 2.08	3.23	3.59 4.04	3.08 2.70	3.06 3.73	2.76 2.71	03
04	3.30 3.38	3.69 4.20	4.04 4.24	4.47 4.96	4.35 4.62	3.64 4.14	2.55 3.44	2.21 2.77	3.21 4.25	2.93	3.15 3.88	2.82 2.69	04
05	3.28 3.35	3.65 4.25	4.00 4.16	4.38	4.67 4.25	3.67 3.74	2.98 3.51	2.71	3.12 3.49	3.63 4.35	3.37 4.07	3.12	05
06	3.18 3.17	3.46 4.07	4.67 4.22	3.76 3.77	4.12 4.13	3.43 3.66	2.73 2.62	2.83 3.01	3.05 4.10	4.20 4.95	2.88 3.21	3.43 3.95	06
07	2.98 3.18	3.38 4.26	4.15 3.77	3.09 3.30	3.95 4.29	3.56 3.74	2.64 2.40	2.91 3.67	NR	NR	2.92 3.30	3.40 4.40	07
08	3.07 3.26	3.53	3.90 3.62	2.90 2.96	4.03 4.29	3.70	2.38 3.09	3.15 4.64	5.12 5.39	5.50 5.77	3.56 3.89	4.14 4.52	08
09	4.12 3.51	2.97 3.16	3.44 3.58	2.75	3.67 3.72	3.95 4.41	3.27 3.36	3.59 4.25	5.34 5.58	5.75 5.95	3.77 4.01	4.28 4.50	09
10	3.94 3.47	2.89 2.97	NR	NR	3.68 3.71	3.91 4.54	2.93 3.09	3.26 4.07	5.42 5.58	5.83 5.82	3.33 4.45	4.32 4.77	10
11	3.70 3.48	2.71	NR	NR	3.70 3.62	4.02 4.57	2.99 3.20	3.36 4.03	5.28 5.36	5.63 5.72	4.11 4.13	4.53 4.80	11
12	2.80 2.74	3.44 3.48	NR	NR	3.69 3.82	4.03 4.77	3.05 3.16	3.34 3.67	5.34 5.48	5.73 5.83	4.20 4.46	4.82 4.67	12
13	2.92 2.86	3.46 3.70	NR	NR	3.74 3.07	4.09 4.41	2.77 2.82	3.00 3.47	5.41 5.60	5.90 5.95	4.55 4.71	4.99 5.14	13
14	3.03 2.98	3.51 3.83	NR	NR	3.55 3.64	3.79 4.40	2.27 2.28	2.69 3.12	5.62 5.98	6.17	4.57 4.50	4.94 4.93	14
15	3.02 2.86	3.39	NR	NR	3.58 3.66	3.82 4.15	2.37 2.87	3.07 3.47	6.22 6.48	6.08 6.33	4.65 4.87	5.20 5.36	15
16	2.78 2.71	3.18 3.80	2.85 3.11	3.42 4.16	3.47 3.63	3.74 4.31	2.85 3.13	3.43 3.44	6.36 6.68	6.71 6.70	5.19 5.03	5.69 5.23	16
17	2.71 2.84	3.16 3.96	2.83 3.08	3.33 3.80	3.52 3.07	3.92 4.16	2.91 3.06	3.39 3.38	6.31A 5.80A	5.80A	4.89 4.82	5.41	17
18	2.99 3.12	3.43 4.16	2.71 3.19	3.38 3.84	3.25 3.37	3.69 3.70	2.90 2.94	3.30 3.07	5.90A 5.19A	5.19A	5.17 5.66	5.05 4.87	18
19	3.12 3.25	3.54 4.17	2.73 3.05	3.36	2.88 3.10	3.47 3.40	2.76 2.69	3.31	NR	NR	5.16 5.52	4.94 4.78	19
20	3.11 3.31	3.61 4.07	3.43 3.28	2.60 3.05	2.78 2.97	3.36	2.78 3.27	2.53 2.37	NR	NR	NR	NR	20
21	3.04 3.15	3.37	3.59 3.96	2.66 3.43	3.05 3.22	2.63 2.89	2.47 3.09	2.15 2.05	NR	NR	5.23 5.41	5.12 5.09	21
22	3.63 3.50	2.95 3.26	3.55 3.54	2.65 2.74	3.64A 3.72	2.55A	2.54 3.72	2.45	NR	NR	5.60 5.82	5.41	22
23	3.81 3.64	3.14 3.47	2.98 3.17	2.33	2.99A 2.97	3.27A	2.80 3.06	3.13 4.05	4.50 4.54	4.69 4.13	NR	NR	23
24	3.83 4.01	3.48 3.73	2.43 2.24	2.62 3.13	2.12 1.95	2.24 3.06	3.04 3.33	3.41 4.20	4.22 4.16	4.41 4.65	5.50 5.61	5.88 5.92	24
25	4.07 4.21	3.75 3.95	2.47 2.60	2.86 3.75	1.95 2.20	2.33 3.52	3.15 3.41	3.56 4.27	3.90 3.88	4.30 4.50	5.37 5.64	6.00 6.36	25
26	4.30 4.45	4.00	2.71 2.79	3.09 3.85	2.35 2.62	2.76 3.94	3.20 3.43	3.59	3.98 4.15	4.43 4.65	5.61 5.78	6.07 6.09	26
27	4.09 4.09	4.41 4.53	2.78 2.99	3.26 4.08	2.42 2.46	2.78 4.11	3.04 3.04	3.26 4.18	4.07 3.80	4.32 4.12	5.63 5.80	6.20 6.00	27
28	4.08 4.25	4.52 5.11	2.95 3.17	3.39 4.26	2.64 3.38	3.69 4.38	2.48 2.25	2.86 3.53	3.46 3.22	3.92 3.62	5.48 5.33	6.00 5.55	28
29	4.33 4.24	4.53 4.79	2.98 3.11	3.32 4.28	3.16 3.37	3.67 4.21	2.55 2.94	3.25 3.75			5.22 5.18	5.79 5.44	29
30	4.20 4.28	4.47	3.01 3.23	3.49 4.40	2.89 2.99	3.28 4.28	3.00 3.18	3.65 3.77			5.17 5.24	5.75	30
31	4.27 4.34	4.52 4.85			2.80 2.47	3.09 3.29	3.11 3.61	3.60 3.72			5.56 6.21	5.40 5.50	31
MAXIMUM	5.11		NR		4.77A		4.64		NR		NR		MAXIMUM
MINIMUM	2.71		NR		1.95A		2.05		NR		NR		MINIMUM

NR = NO RECORD

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 37° 47' 12", LONG. 121° 18' 21", 54 SEC. 3, T25, R6E,  
ON OLD U.S. HWY 50 BRIDGE, 3.0 MILES SW OF LATHROP.

PERIOD OF RECORD: 1920 TO DATE

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TABLE 8-12 (CONTINUED)

## DAILY TIDES

895620 SAN JOAQUIN RIVER AT MOSSOLE BRIDGE  
(APRIL 1, 1975; THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.75 5.65	5.37 4.85	2.83 3.14	2.28 1.57	4.51 4.39	4.00 3.91	2.90 1.83	1.51 1.07	3.00 1.51	0.65 1.10	3.06 2.27	1.29 1.70	01
02	NR	NR	2.77 2.62	2.11 1.22	4.93 4.91	4.53 4.66	2.89 1.56	1.16 1.01	3.03 1.58	0.59 1.19	2.97 2.22	1.17 1.56	02
03	4.49 4.49	5.20	2.51 2.31	1.71 1.27	5.46 5.18	5.01 5.01	2.93 1.70	0.99 1.33	2.99 1.66	0.61 1.29	2.94 2.34	1.23	03
04	3.63 1.76	4.11 4.02	2.80 2.44	2.06 1.89	5.91 5.71	5.42 5.66	3.22 1.94	1.04 1.61	3.28 2.23	0.90 1.59	1.49 1.22	2.86 2.42	04
05	3.29 3.36	3.76 3.70	3.01 2.77	2.43 2.34	6.58 6.16	6.01	3.39 2.63	1.11 1.62	3.08 2.36	0.90	1.46 1.39	2.85 2.80	05
06	2.96 3.12	3.55 3.54	3.12 2.82	2.47	5.90 5.52	6.46 5.82	3.57 2.41	1.29 2.00	1.56 0.92	3.01 2.38	1.74 1.67	3.01 3.04	06
07	2.90 3.12	3.55 3.66	2.46 2.64	3.36 3.13	5.62 5.57	6.30 5.91	3.81 2.49	1.42	1.34 0.62	2.64 1.91	1.93 1.86	3.08 3.31	07
08	3.09 3.16	3.73 3.78	2.84 2.64	3.68 3.39	5.78 5.77	6.49 6.04	1.88 1.25	3.71 2.39	0.93 0.60	2.49 1.95	2.06 2.01	3.13 3.62	08
09	3.34 3.65	4.03 4.20	3.04 2.89	3.94 3.40	5.92 5.94	6.62 6.24	1.80 1.42	3.77 2.53	0.92 0.72	2.41 2.07	2.12 2.05	2.98 3.66	09
10	3.84 3.90	4.39 4.38	3.12 2.94	3.99 3.33	6.14 6.14	6.83	1.79 1.35	3.80 2.52	1.00 0.81	2.26 2.35	2.11 2.14	2.99 3.74	10
11	3.99 3.94	4.49 4.50	3.00 2.88	3.83 2.97	6.45 7.01	6.32 6.17	1.66 1.04	3.28 2.49	1.19 1.12	2.33	2.05 2.25	2.98	11
12	4.04 3.82	4.52 4.25	2.68 2.46	3.68 3.08	6.47 6.78	6.26 5.80	1.45 1.02	3.07	2.83 2.27	1.33 1.17	3.89 3.07	2.13 2.38	12
13	3.88 3.70	4.52	2.77 2.49	3.82 3.57	5.98 5.94	5.57 4.76	2.64 2.85	1.41 1.07	2.91 2.03	1.20 1.13	3.96 3.16	2.14 2.67	13
14	4.16 4.69	3.95 3.65	3.23 2.97	4.40	5.24 5.64	4.90 4.95	3.06 2.86	1.59 1.26	2.82 1.89	1.03 1.18	3.86 3.10	2.18 2.48	14
15	4.16 4.37	3.75 3.24	3.75 4.45	3.39 2.98	5.67 5.91	5.40 5.54	3.25 2.23	1.35 0.86	2.78 2.11	0.88 1.41	3.63 3.15	2.11 2.46	15
16	3.70 4.23	3.41 2.94	3.77 4.29	3.41 3.05	6.20 6.05	5.86 5.72	2.92 1.80	0.95 0.84	2.97 2.80	0.92 1.44	3.55 3.17	2.02	16
17	3.47 4.01	3.11 2.67	3.96 4.05	3.42 2.92	6.26 6.01	5.81 5.81	3.09 2.15	1.04 1.45	2.87 2.89	0.88 1.52	2.33 2.12	3.44 3.28	17
18	3.33 3.54	2.94 2.40	3.85 4.05	3.38 3.23	6.42 6.02	5.88 5.87	3.50 2.24	1.13 1.58	2.88 2.39	1.21	2.33 2.14	3.39 3.36	18
19	3.12 3.24	2.70 2.10	4.37 4.16	3.64 3.47	6.46 5.95	5.83 5.70	3.57 2.39	1.13 1.71	1.78 1.51	3.08 2.61	2.41 2.21	3.41 3.37	19
20	2.97 3.67	2.48 2.21	4.79 4.20	4.01	6.16 5.22	5.15	3.58 2.50	1.25	1.96 1.65	3.10 2.73	2.26 2.00	3.14 3.19	20
21	3.16 3.45	2.56	3.37 3.47	4.25 3.82	4.75 3.53	5.24 3.81	1.40 1.25	3.63 2.42	2.01 1.68	3.13 2.84	2.21 2.16	3.13 3.22	21
22	2.52 2.66	3.52 3.42	3.42 3.53	4.52 3.93	3.37 3.78	4.51 3.40	1.65 1.08	3.50 2.39	2.02 1.65	3.09 2.76	2.14 2.16	2.97 3.30	22
23	2.37 2.22	3.35 3.05	3.53 3.48	4.66 3.50	2.97 2.58	4.33 3.22	1.52 0.96	3.26 2.40	1.85 1.54	2.67 2.71	2.11 2.15	2.78 3.17	23
24	2.25 2.19	3.37 3.23	3.51 3.42	4.71 3.92	2.69 2.16	3.96 2.96	1.46 0.91	3.24 2.42	1.76 1.49	2.68 2.60	2.04 2.25	2.65 3.37	24
25	2.40 2.26	3.73 3.19	3.59 3.52	4.80 3.99	2.40 1.77	3.56 2.69	1.42 0.89	3.11 2.52	1.59 1.46	2.50 2.83	2.18 2.55	2.73 3.64	25
26	2.42 2.17	3.63 2.91	3.69 3.54	4.87 4.12	2.11 1.50	3.27	1.44 0.85	2.98 2.70	1.63 1.54	2.55 2.98	2.65 3.40	3.47 4.05	26
27	2.31 2.17	3.66 2.99	3.81 3.58	4.91	2.62 3.21	2.00 1.44	1.42 1.21	2.96	1.42 1.25	2.12 2.75	3.10 3.15	3.46	27
28	2.36 2.09	3.53 2.97	4.12 4.72	3.81 3.55	2.66 2.87	1.91 1.31	3.13 2.74	1.66 1.09	1.14 1.16	1.82 2.42	4.10 3.49	3.18 3.26	28
29	2.37 1.43	3.48	4.38 4.53	3.76 3.36	2.64 2.62	1.80 1.32	3.09 2.28	1.35 0.93	2.68 1.71	0.93 1.32	3.88 3.46	3.07 3.20	29
30	2.82 3.38	2.34 1.74	4.12 4.51	3.84 3.49	2.81 2.23	1.78 1.25	2.87 1.62	1.00 0.64	2.72 1.72	0.82 1.48	3.88 3.51	2.97 3.15	30
31			4.37 4.42	3.97 3.59			2.90 1.49	0.76 0.78	2.93 1.41	0.93 1.62			31
MAXIMUM	NR		4.91		7.01		3.81		3.28		4.10		MAXIMUM
MINIMUM	NR		1.22		1.25		0.64		0.59		1.17		MINIMUM

MAXIMUM	NR	4.91	7.01	3.81	7.28	4.10	MAXIMUM
MINIMUM	NR	1.22	1.25	0.64	0.59	1.17	MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 24.4 - 12-10-50

ZERO OF GAGE: 1920 TO 1943 5.16 USED  
1943 0.00 USCGS  
1964 -0.17 USCGS  
1964 TO DATE 0.00 USCGS

TABLE A-12 (CONTINUED)  
DAILY TIDES  
H95400 OLD RIVER AT HEAD  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	DATE
01	1.05 3.02 1.21 3.10	1.74 3.57 2.87 4.26	2.30 3.25 2.74 4.06	1.58 2.84 2.18 3.22	2.42 3.30 2.47 3.32	2.31 3.52 2.25 3.02	01
02	1.31 3.70 1.67 3.84	2.52 3.63 3.07 4.18	2.36 3.46 2.91 4.02	1.94 2.86 2.09 2.79	3.04 2.56 3.99 2.68	2.20 3.40 2.05 2.47	02
03	1.40 3.20 1.56 3.17	2.69 3.62 3.12 4.11	2.47 3.44 2.80 3.93	1.43 2.53 1.41 2.09	3.08 2.38 3.71 2.10	2.02 3.24 1.95	03
04	1.03 2.95 1.49 3.37	2.74 3.67 3.22 4.36	2.85 4.23 3.47 4.18	1.37 2.90 1.95	2.86 2.41 4.00 2.35	2.67 2.19 3.51 1.98	04
05	1.00 2.88 1.01 3.42	2.87 3.57 3.20 4.01	2.86 3.69 2.96	2.31 1.81 2.94 1.80	3.06 2.73 3.83	2.94 2.49 3.70 2.13	05
06	0.86 2.70 1.54 3.31	2.70 3.59 2.89	3.61 2.53 3.59 2.90	2.11 1.80 3.38 1.91	2.71 3.41 3.23 4.24	2.93 2.60 3.56 2.13	06
07	0.61 2.70 1.72 3.57	3.63 2.17 3.23 2.54	3.33 2.60 3.68 2.81	2.49 1.80 3.35	3.44 4.17 3.96	2.79 2.60 3.96	07
08	0.87 2.92 1.82	3.50 2.07 3.16 2.19	3.36 2.75 3.53	1.65 2.58 2.44 4.23	3.93 4.55 4.27 4.91	2.78 3.58 3.13 3.98	08
09	3.68 0.68 2.94 1.64	3.01 1.92 3.14 2.06	2.69 3.26 2.79 3.83	2.46 3.01 2.58 3.76	4.13 4.82 4.48 5.14	2.92 3.47 3.19 3.91	09
10	3.49 0.59 2.69 1.30	2.85 1.98 3.18	2.73 3.20 2.83 4.02	2.07 2.59 2.28 3.59	4.33 5.07 4.42 5.01	2.95 3.65 3.70 4.26	10
11	3.25 0.56 2.93 0.97	1.98 2.80 1.96 3.55	2.79 3.41 2.98 4.06	2.06 2.64 2.35 3.48	4.12 4.73 4.24 4.83	3.21 3.96 3.26 4.25	11
12	2.67 0.43 2.86	2.03 2.67 2.04 3.67	2.78 3.42 3.01 4.35	2.18 2.50 2.28 3.04	4.13 4.82 4.33 4.93	3.28 4.17 3.45 4.09	12
13	0.78 2.47 0.70 3.10	2.01 2.72 2.20 4.01	2.03 3.48 3.03 3.85	1.81 2.29 1.97 2.96	4.24 5.06 4.48 5.06	3.48 4.17 3.68 4.46	13
14	0.79 2.73 0.79 3.25	2.20 2.83 2.35 4.21	2.60 3.06 2.79 3.88	1.49 2.24 1.59 2.73	4.45 5.28 4.80 5.18	3.61 4.18 3.51 4.28	14
15	0.74 2.49 0.78 3.23	2.34 3.22 2.52 3.99	2.03 3.11 2.01 3.55	1.44 2.41 2.01 2.89	4.78 5.33 5.02 5.33	3.65 4.36 3.78 4.52	15
16	0.53 2.33 0.84 3.37	2.15 1.05 2.51 1.87	2.50 3.02 2.79 3.81	1.86 2.72 2.23 2.79	4.98 5.55 5.04 6.08	4.14 4.97 3.98 4.41	16
17	0.49 2.21 1.02 3.16	2.13 2.90 2.46 3.44	2.57 3.13 2.89 3.52	1.89 2.63 2.13 2.50	4.72 5.14 4.51	3.87 4.67 3.72	17
18	0.66 2.56 1.35 3.71	1.94 2.95 2.57 3.45	2.30 3.03 2.04 3.08	1.83 2.57 2.02	4.53 4.28 4.75 4.98	4.28 4.01 4.88 3.86	18
19	0.82 2.75 1.69 3.69	1.96 2.94 2.41 3.62	2.06 2.82 2.39 2.77	2.31 1.83 2.58 1.87	4.15 3.96 4.56 3.74	4.25 3.94 4.84 3.71	19
20	0.92 3.02 1.86 3.70	1.79 2.81 2.42 3.23	1.88 2.79 2.18	1.96 1.65 2.66 1.64	4.16 4.10 4.01	4.14 3.96 4.60 3.69	20
21	0.76 2.30 1.64	1.93 3.65 2.91	2.37 1.73 2.04 2.10	1.91 1.49 2.80 1.30	3.82 4.23 4.07 4.74	4.31 4.10 4.58 3.98	21
22	3.05 0.51 2.69 1.81	3.20 1.93 3.17 2.08	2.41 1.87 3.04 1.88	1.87 1.84 3.26	3.94 3.94 3.70 4.23	4.74 4.41 5.04	22
23	3.32 0.79 2.60 1.68	2.47 1.60 2.74 1.73	1.95 2.88	1.94 2.44 2.33 3.58	3.34 3.71 3.48 4.06	4.09 4.64 4.30 4.92	23
24	3.08 0.89 2.76 1.64	2.13 1.53 2.73	1.45 1.68 1.30 2.79	2.16 2.76 2.53 3.74	3.17 3.54 3.15 3.98	4.30 4.88 4.44 5.11	24
25	3.10 1.25 3.06 1.76	1.76 2.39 1.89 3.38	1.28 1.89 1.58 2.61	2.29 2.94 3.19 3.70	2.94 3.68 2.98 3.94	4.26 5.32 4.69 5.69	25
26	3.32 1.66 3.23	1.97 2.60 2.09 3.50	1.59 2.23 3.61	2.36 2.94 2.64 3.94	3.01 3.57 3.14 3.98	4.60 5.28 4.69 5.28	26
27	1.83 3.19 1.76 3.39	2.83 2.83 2.30 3.73	1.74 2.42 3.88 2.33	2.23 2.68 3.84	3.67 3.59 2.86 3.49	4.50 5.34 4.62 5.11	27
28	1.79 3.67 2.41 4.41	2.16 2.93 2.47 3.85	2.03 3.30 2.72 4.01	1.87 2.54 1.65 3.27	2.59 3.34 2.38 3.10	4.34 5.19 4.17 4.60	28
29	2.31 3.59 2.13 3.95	2.20 2.81 2.43 3.95	2.40 3.24 2.65 3.85	1.79 2.76 2.19 3.29		4.12 4.96 4.03 4.52	29
30	1.80 3.40 2.17 3.67	2.25 3.04 2.57 4.10	2.11 2.75 2.31 3.94	2.18 3.04 2.38 3.23		4.07 4.87 4.05	30
31	1.79 3.10 2.20 3.43		2.17 2.72 1.83 2.97	2.29 3.03 2.20 3.24		NR NR	31
MAXIMUM	4.41	4.36	4.35	4.21	5.55	NR	MAXIMUM
MINIMUM	0.43	1.53	1.28	1.30	2.10	NR	MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 48 27, LONG. 121 19 44, NE SEC. 32, T1S, R6E,  
500 FEET BELOW SAN JOAQUIN RIVER, 3.0 MILES WEST  
OF LATHROP.

PERIOD OF RECORD: 1972 TO DATE

TABLE B-12 (CONTINUED)  
DAILY TIDES  
895400 OLD RIVER AT HEAD  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	2.54 2.05	1.79 0.45	3.96 3.73	3.22 2.90	2.07 1.73	1.20 0.77	3.37 3.02	0.41 0.94	2.04 2.02	0.04 1.34	01
02	4.12 4.17	3.70 3.16	2.50 2.30	1.62 0.62	4.29 3.88	3.51 3.33	2.00 1.50	0.88 0.78	2.45 1.94	0.32 1.04	2.76 2.00	0.73 1.21	02
03	3.05 3.75	3.29 2.66	2.22 2.01	1.23 0.72	4.49 3.97	3.63 3.02	2.93 1.64	0.70 1.15	2.89 1.53	0.35 1.14	2.74 2.14	0.78 1.04	03
04	3.47 3.40	3.01 2.31	2.50 1.94	1.46 1.08	4.81 4.41	3.96 4.23	3.23 1.90	0.75 1.42	3.17 2.11	0.02 1.42	1.13 0.79	2.04 2.22	04
05	3.18 4.13	2.06 2.13	2.51 2.14	1.62 1.40	5.56 4.95	4.51 4.52	3.40 1.99	0.82 1.44	2.96 2.26	0.61 1.38	1.10 1.00	2.03 2.56	05
06	2.99 2.92	2.36 2.32	2.58 2.21	1.61 1.64	5.50 4.80	4.23 4.39	3.58 2.36	0.97 1.02	2.88 2.27	0.00 1.02	1.32 1.25	2.76 2.80	06
07	2.06 2.32	2.93 3.08	2.04 2.49	1.73 1.97	5.43 4.82	4.21 4.02	3.00 2.48	1.11 0.95	1.12 0.31	2.51 1.77	1.47 1.46	2.79 3.01	07
08	2.24 2.34	3.14 3.17	3.12 2.74	1.90 1.90	4.50 4.38	5.01 4.93	1.72 0.95	3.71 2.39	0.69 0.30	2.36 1.80	1.00 1.02	2.83 3.35	08
09	2.45 2.66	3.33 3.49	2.21 1.99	3.40 2.91	4.02 4.47	5.60 5.07	1.02 1.10	3.75 2.59	0.66 0.42	2.26 1.92	1.59 1.57	2.69 3.39	09
10	2.89 2.89	3.63 3.61	2.31 2.03	3.46 2.71	4.79 4.05	5.04 5.31	1.59 1.04	3.60 2.51	0.75 0.52	2.12 2.20	1.01 1.70	2.70 3.47	10
11	3.02 2.94	3.75 3.81	2.20 1.76	3.33 2.31	4.99 4.80	6.08 5.42	1.40 0.80	3.26 2.48	0.91 0.81	2.15 2.09	1.53 1.90	2.63 2.04	11
12	3.15 2.85	3.05 3.49	1.90 1.58	3.17 2.50	4.98 4.46	5.88 4.98	1.28 0.77	3.04 2.63	1.06 0.89	2.10 1.80	3.01 2.74	1.61 2.57	12
13	3.01 3.09	3.91 3.49	2.06 1.68	3.38 3.16	4.39 3.57	5.12 5.12	1.24 0.84	2.84 2.04	2.77 1.85	0.91 0.80	3.66 2.79	1.64 2.21	13
14	3.09 2.77	4.14 3.58	2.61 2.18	3.98 3.28	4.47 4.90	3.90 3.71	3.05 2.06	1.42 1.04	2.68 1.72	0.73 0.97	3.55 2.71	1.61 1.99	14
15	2.98 2.38	1.82 3.16	2.70 2.14	4.05 4.05	4.93 5.08	4.31 4.26	3.25 2.24	1.18 0.67	2.63 1.95	0.57 1.22	3.32 2.61	1.50 1.93	15
16	2.70 2.14	3.71 3.02	3.29 2.82	2.68 2.15	5.35 5.06	4.61 4.44	2.91 1.81	0.76 0.66	2.84 1.83	0.62 1.26	3.21 2.84	1.48 1.48	16
17	2.99 3.60	2.53 1.94	3.38 3.49	2.67 2.04	5.39 4.99	4.57 4.57	3.11 2.13	0.82 1.30	2.72 1.89	0.60 1.28	1.77 1.48	3.08 2.93	17
18	2.93 3.13	2.34 1.63	3.31 3.40	2.54 2.33	5.55 4.92	4.60 4.60	3.50 2.23	0.97 1.43	2.70 2.19	0.60 1.43	1.76 1.55	3.04 3.01	18
19	2.73 2.80	2.08 1.36	3.85 3.55	2.00 2.61	5.65 4.90	4.58 4.49	3.57 2.37	0.93 1.56	2.67 2.35	1.04 1.04	1.03 1.59	3.04 3.00	19
20	2.55 2.71	1.83 1.44	4.30 3.00	3.19 2.45	5.42 4.39	4.04 3.05	3.58 2.50	1.81 1.05	1.54 1.15	2.86 2.46	1.66 1.47	2.74 2.79	20
21	2.76 3.04	1.88 1.80	3.74 3.17	2.53 2.48	4.88 3.37	2.81 2.43	3.62 2.43	0.98 1.19	1.58 1.19	2.87 2.61	1.56 1.55	2.70 2.78	21
22	3.17 3.09	2.00 3.29	4.02 3.29	2.57 2.57	2.76 2.14	4.31 3.12	1.50 0.85	3.51 2.37	1.64 1.19	2.86 2.54	1.50 1.50	2.49 2.85	22
23	1.76 1.57	3.01 2.72	2.64 2.56	4.19 3.32	2.47 2.00	4.18 3.03	1.42 0.77	3.27 2.41	1.45 1.09	2.63 2.46	1.37 1.26	2.23 2.62	23
24	1.59 1.52	3.04 2.93	2.67 2.52	4.27 3.35	2.29 1.04	3.86 2.79	1.36 0.73	3.25 2.43	1.35 1.05	2.43 2.34	1.08 1.13	1.95 2.58	24
25	1.91 1.64	3.45 2.93	2.79 2.06	4.35 3.43	1.99 1.25	3.45 2.55	1.29 0.73	3.10 2.52	1.18 1.04	2.26 2.65	0.96 1.18	1.99 2.81	25
26	1.85 1.49	3.32 2.57	2.86 2.01	4.42 3.59	1.75 1.06	3.16 2.56	1.32 0.75	2.98 2.71	1.28 1.22	2.34 2.83	0.91 1.09	1.90 2.98	26
27	1.72 1.47	3.36 2.52	3.03 2.95	4.48 3.57	1.71 1.02	3.15 2.61	1.32 1.05	2.94 3.15	1.10 0.90	1.93 2.58	0.74 1.88	2.22 2.88	27
28	1.77 1.38	3.16 2.55	3.04 2.61	4.23 3.55	1.05 0.71	2.83 2.03	1.55 0.95	2.75 3.11	0.78 0.84	1.61 2.50	3.24 2.25	0.74 1.68	28
29	1.81 1.20	3.16 2.55	3.52 4.02	2.97 2.40	2.64 2.58	1.52 0.93	1.25 0.80	2.27 1.02	0.55 1.02	1.48 1.48	2.93 2.43	0.66 1.52	29
30	1.84 1.08	3.11 2.55	3.57 3.99	3.07 2.55	2.76 2.12	1.46 0.87	2.88 1.60	0.88 0.52	2.53 1.49	0.48 1.23	2.99 2.51	0.74 1.41	30
31			3.85 3.87	3.20 2.64			2.92 1.47	0.61 0.70	2.75 1.06	0.60 1.31			31
MAXIMUM	NR		4.48		6.08		3.60		3.17		3.66		MAXIMUM
MINIMUM	NR		0.62		0.87		0.52		0.30		0.66		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 1-18-73

ZERO OF GAGE: 1972 TO DATE 0.00 USGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

 B05740 SAN JOAQUIN RIVER AT BRANDT BRIDGE  
 (OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	4.27 4.41	6.44 6.97	4.56 5.18	6.35 7.46	4.06 5.01	6.22 7.55	3.28 4.19	5.91 6.52	4.24 4.35	6.73 6.18	4.28 4.23	7.02 6.41	01
02	4.49 4.85	6.54 7.27	4.45 5.19	6.36 7.41	4.10 5.15	6.43 7.39	3.61 4.07	6.17 5.99	4.61 4.61	7.41 6.11	4.27 3.95	6.91 5.80	02
03	4.59 4.76	6.57 7.13	4.32 5.13	6.25 7.24	4.15 5.00	6.49 7.18	3.27 3.55	5.96 5.39	4.43 4.16	7.18	4.02 3.74	6.68	03
04	4.26 4.74	6.36 7.19	4.28 5.13	6.22 7.15	4.04 5.02	7.20 7.28	3.13 3.76	6.32	6.08 7.53	4.99 4.26	5.73 6.97	4.50 3.96	04
05	4.26 4.84	6.27 7.24	4.30 5.11	6.35 6.92	4.50 4.84	6.79 6.24	5.17 6.32	3.47 3.57	5.90 7.13	4.82 4.24	6.06 7.10	4.91 4.03	05
06	4.15 4.04	6.11 7.08	4.13 4.66	6.29 6.41	4.03 4.53	6.61	5.00 6.83	3.72 3.83	5.91 7.12	5.02	6.18 6.95	5.05 3.95	06
07	3.96 5.05	6.13 7.31	3.83 4.69	6.48	5.19 6.78	4.07 4.37	5.59 6.93	4.19 3.66	4.62 5.49	6.35 7.43	5.97 7.28	4.83 4.66	07
08	4.17 5.13	6.32 7.07	4.43 6.43	3.84 4.16	5.76 6.70	4.25 4.13	5.90 7.68	4.85	5.01 5.71	6.65 7.56	6.77 7.17	5.29 4.69	08
09	4.02 4.94	6.40	5.95 6.44	3.72 3.93	5.84 6.97	4.41 4.16	4.42 4.73	6.15 7.10	5.28 6.00	7.24 7.96	6.63 7.12	5.21	09
10	6.93 6.41	3.43 4.49	5.78 6.51	3.79 3.78	5.84 7.19	4.58	3.74 4.42	5.65 6.95	5.77 6.02	7.46 7.70	4.64 5.09	6.75 7.19	10
11	6.72 6.44	3.94 4.27	5.74 6.66	3.87	4.24 4.79	5.93 7.25	3.78 4.43	5.68 6.86	5.70 5.70	6.99 7.42	4.97 5.14	6.93 7.15	11
12	6.50 6.42	3.76 4.08	3.80 4.04	5.76 6.87	4.21 4.87	5.97 7.29	3.67 4.22	5.62 6.44	5.31 5.78	7.03 7.47	4.91 5.06	6.89 6.90	12
13	6.43 6.65	3.99	3.78 4.31	5.93 7.14	4.32 4.40	6.07 7.13	3.36 4.00	5.41 6.35	5.47 5.96	7.39 7.52	4.93 5.23	6.97 7.09	13
14	4.06 4.06	6.42 6.79	3.98 4.54	6.07 7.35	3.48 4.62	5.80 6.96	3.29 3.97	5.55 6.10	5.05 6.23	7.60 7.29	5.16 5.05	6.99 6.69	14
15	4.03 4.10	6.28 6.77	4.17 4.79	6.27 7.32	4.01 4.66	5.83 6.70	3.23 4.10	5.71 6.14	5.91 6.00	7.44 7.03	5.25 5.09	7.05 6.76	15
16	3.85 4.10	6.17 6.91	3.98 4.82	6.15 7.18	3.82 4.63	5.75 6.58	3.49 4.18	5.92 5.81	5.91 6.11	7.62 6.65	5.73 5.41	7.63 6.62	16
17	3.82 4.32	6.16 7.02	3.92 4.75	6.12 6.78	3.94 4.61	6.03 6.50	3.45 3.98	5.79 5.30	5.73 5.57	7.24 6.19	5.43 4.98	7.15 6.45	17
18	3.94 4.59	6.16 7.14	3.67 4.45	6.13 6.74	3.83 4.66	6.07 5.96	3.39 3.81	5.82 5.01	5.41 5.05	7.00	5.65 5.24	7.32 6.37	18
19	4.04 4.93	6.39 7.26	3.72 4.71	6.03 6.11	3.55 4.41	5.93 5.49	3.45 3.58	5.84 4.68	5.81 7.08	5.34 4.88	5.65 5.13	7.37	19
20	4.20 5.11	6.42 7.08	3.50 4.78	6.05 6.16	3.41 4.14	5.89 5.01	3.44 3.51	6.03	6.17 7.34	5.87 4.86	6.42 7.18	5.74 4.85	20
21	4.64 4.90	6.17 6.58	3.81 5.48	7.07 6.14	3.34 4.10	5.99 5.07	4.79 6.29	3.86 3.27	3.86 7.32	5.59 4.67	6.34 6.93	5.72 5.36	21
22	3.86 5.07	6.29 6.59	3.43 4.25	6.46	3.62 3.78	6.31	4.89 6.60	4.10 3.52	5.97 6.92	5.13	7.28 7.67	6.15 5.53	22
23	4.06 4.87	6.32	5.25 6.11	3.55 3.76	4.76 6.22	3.57 3.37	5.17 6.90	4.41 3.71	4.38 4.88	5.99 6.97	7.16 7.54	6.82 5.52	23
24	6.11 6.36	4.06 4.77	5.05 6.11	3.54 3.79	4.63 6.23	3.59 3.18	5.44 7.07	4.56	4.31 4.67	6.12 7.08	7.21 7.63	5.86 5.56	24
25	6.10 6.57	4.35 4.81	5.66 6.69	4.03 3.83	4.97 6.06	3.90	3.84 4.62	5.70 7.19	4.33 4.69	6.43 7.17	7.99 8.63	6.55	25
26	6.37 6.87	4.45 4.82	5.54 6.02	4.20	3.43 4.31	5.47 7.05	3.95 4.75	5.94 7.37	4.49 4.68	6.65 6.93	6.17 6.32	7.75 7.84	26
27	6.41 6.46	4.74 4.74	3.65 4.68	5.75 7.07	3.80 4.45	5.70 7.43	3.96 4.47	4.90 7.26	4.49 4.42	6.64 6.62	5.90 6.10	7.87 7.62	27
28	6.78 7.89	5.28	3.91 4.66	5.95 7.23	4.00 4.97	6.31 7.42	3.79 4.91	5.85 6.90	4.23 4.15	6.76 6.41	5.71 5.44	7.69 6.95	28
29	5.22 5.03	6.58 7.26	3.94 4.62	5.99 7.26	4.22 4.76	6.15 7.28	3.63 4.11	6.08 6.05			5.47 5.24	7.74 6.95	29
30	4.68 4.94	6.39 7.21	3.98 4.84	6.14 7.40	3.79 4.49	5.92 7.32	3.84 4.24	6.30 6.56			5.47 5.21	7.77 6.99	30
31	4.58 5.00	6.31 7.35			4.10 4.84	5.68 6.39	3.94 3.84	6.39 6.57			5.76 5.66	8.19 7.86	31
MAXIMUM	7.49		7.46		7.55		7.64		7.90		8.63		MAXIMUM
MINIMUM	3.76		3.50		3.18		3.13		4.15		3.74		MINIMUM

 LOCATION: LAT. 37 51 53, LONG. 121 19 18, 1M SEC. 9, T15, R6E,  
 ON BOWMAN ROAD BETWEEN ROBERTS ISLAND AND R.D. 17.

 PERIOD OF RECORD: JULY 1946 TO SEPT 1966  
 JAN 1968 TO DATE

## TABLE H-12 (CONTINUED)

## DAILY TIDES

895740 SAN JOAQUIN RIVER AT RAYNOT BRIDGE  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.87	7.45	4.62	6.45	7.06	5.46	6.32	3.65	6.60	3.25	6.79	3.24	01
	4.48	4.35	3.27		6.46	4.69	5.05	3.44	5.10	4.14	5.69	4.19	
02	5.35	6.79	5.96	4.44	7.20	5.32	6.41	3.54	6.75	3.12	6.73	3.16	02
	4.47		5.86	4.24	6.23	4.73	4.84	3.71	5.27	4.30	5.74	4.09	
03	6.16	5.19	5.93	4.04	7.16	5.08	6.49	3.32	6.84	3.12	6.90	3.25	03
	6.62	4.74	5.54	3.30	6.03	4.98	4.99	4.13	5.49	4.42	5.93	3.92	
04	6.28	5.19	6.24	4.08	7.38	5.14	6.76	3.37	7.14	3.41	6.77	3.32	04
	6.48	4.08	5.33	3.14	6.32	4.62	5.31	4.45	5.93	4.68	6.09	3.45	
05	6.44	4.92	6.07	3.78	8.08	5.73	6.95	3.29	7.23	3.40	6.78	3.59	05
	6.23	3.99	5.20	3.40	7.04	6.04	5.43	4.41	6.01	4.47	6.42		
06	6.38	4.55	6.03	3.61	8.15	5.55	7.12	3.43	7.18	3.35	6.96	6.81	06
	6.23	3.92	5.36	3.66	7.05	5.97	5.80	4.71	5.43	4.17	6.85	6.72	
07	6.36	4.38	6.20	3.54	8.03	5.35	7.33	3.59	6.83	3.01	6.84	6.72	07
	6.25	4.08	5.45	3.98	6.99	6.05	5.93	4.88	5.66		6.02	6.96	
08	6.54	4.24	6.56	3.69	8.23	5.44	7.24	3.44	6.62	6.53	6.10	6.65	08
	6.30		5.96	4.36	7.05	6.10	5.90	4.55	3.01	5.87	4.17	7.18	
09	6.25	6.62	6.87	3.81	8.17	5.42	7.28	3.55	3.81	6.46	6.04	6.37	09
	4.37	6.43	6.09	4.48	7.10		6.02		3.16	6.16	6.14	7.23	
10	6.61	6.80	6.93	3.82	8.21	5.32	6.43	7.16	3.68	6.37	6.11	6.34	10
	4.43	6.53	6.06		5.61	7.41	3.50	6.05	3.32	6.42	6.45	7.32	
11	6.75	6.91	4.42	6.84	8.61	4.35	6.92		3.84	6.36	6.93	6.26	11
	4.49	6.59	3.57	5.77	6.90	7.54	3.35	6.07	3.71	6.85	4.70	7.36	
12	6.99	7.10	4.19	6.77	6.50	8.41	4.17	6.61	3.99	6.08	6.06	6.30	12
	4.37	6.42	3.38	5.87	5.52	7.26	3.32	6.24	3.85	6.45	4.84	7.35	
13	6.99	7.26	4.48	7.00	8.01	7.80	4.08	6.44	3.80	5.78	6.94	6.37	13
	4.30	6.53	3.63	6.48	4.92	7.27	3.44	6.62	3.91	6.89	4.99		
14	5.17	7.44	5.22	7.46	5.93	7.76	4.28	6.44	3.59	5.66	7.21	3.94	14
	4.46	6.44	4.24	6.47	5.14	7.61	3.76	6.85	4.12		6.35	4.69	
15	5.10	7.15	5.12	7.30	6.03	7.51	4.00	5.79	6.40	3.44	6.97	3.42	15
	3.98	6.14	4.01	6.44	5.47		3.44		5.73	4.37	6.31	4.56	
16	4.98	7.36	5.09	7.12	7.72	5.92	6.63	3.51	7.04	3.44	6.83	3.77	16
	3.91	6.06	3.95	6.53	7.09	5.42	5.35	3.56	5.82	4.40	6.24	4.13	
17	5.00	6.95	4.98	6.72	7.73	5.71	6.79	3.50	6.93	3.32	6.74	3.81	17
	3.87		3.74		6.93	5.69	5.62	4.29	6.03	4.39	6.47	4.30	
18	6.16	4.46	4.66	4.74	7.92	5.61	7.14	3.52	6.87	3.34	6.74	3.99	18
	6.56	3.54	6.58	4.17	6.70	5.71	5.74	4.45	5.40	4.25	6.58		
19	5.90	4.50	6.98	4.85	8.09	5.59	7.17	3.49	6.81	3.30	6.36	6.70	19
	4.19	3.24	6.55	4.59	6.73	5.66	5.84	4.54	5.97	4.22	6.02	6.54	
20	5.89	4.20	7.60	5.25	7.90	5.14	7.17	3.51	6.71	3.44	4.12	6.17	20
	6.08	3.38	6.36	4.69	6.83	5.56	5.98	4.59	6.11		3.83	6.40	
21	6.20	4.14	6.90	4.19	7.07	4.48	7.17	3.47	6.20	6.75	3.91	6.33	21
	6.39	3.82	5.98	4.31	6.36	5.81	5.95	4.44	3.61	6.32	3.97	6.47	
22	6.65	4.23	7.20	4.22	7.63	4.04	7.04	4.41	4.35	6.72	3.83	6.11	22
	6.41	3.82	6.18	4.55	6.35	4.94	5.49		3.94	6.24	3.97	6.44	
23	6.54	3.69	7.39	4.26	7.52	3.99	4.37	7.01	4.10	6.48	3.64	5.76	23
	6.08	3.40	6.30	4.69	6.28		3.42	6.01	3.57	6.25	3.80	6.32	
24	6.72	3.60	7.51	4.20	6.99	7.32	4.37	6.92	3.77	6.26	3.44	5.60	24
	6.45		4.37		6.93	6.09	3.40	6.02	3.55	6.21	3.92	6.43	
25	4.36	7.16	4.92	7.62	4.56	6.89	4.27	6.89	3.81	4.09	3.54	5.86	25
	3.98	6.34	4.24	6.39	3.33	5.90	3.36	6.11	3.71	6.44	4.24	6.69	
26	4.24	7.13	4.95	7.61	4.40	6.64	4.30	6.59	4.05	6.17	3.44	5.98	26
	3.58	5.94	4.28	6.46	3.24	5.95	3.49	6.29	4.11	6.19	4.83	6.08	
27	4.16	7.01	5.23	7.66	4.46	6.54	4.34	6.44	3.93	5.95	4.22	6.10	27
	3.52	5.94	4.31	6.54	3.27	6.02	4.87	6.67	3.78	6.47	5.04	7.02	
28	4.24	6.90	5.25	7.42	4.40	6.20	4.54	6.29	3.83	5.26	4.13	6.15	28
	3.42	5.91	4.31	6.46	3.18	6.06	3.84	6.65	3.78	6.42	4.96	6.84	
29	4.41	6.83	5.20	7.13	4.31	5.92	4.24	5.76	3.23	5.10	3.90	6.20	29
	3.30	5.95	3.97	6.60	3.37	6.19	3.71	6.44	4.02	6.43	4.81		
30	4.50	6.73	5.39	7.01	4.12	5.34	3.84	5.21	3.08	5.23	6.84	4.04	30
	3.24	5.94	4.20		3.40		3.56	4.47	4.32		6.18	4.69	
31			6.96	6.53			3.49	4.96	6.67	3.12			31
			6.75	4.39			3.81		5.47	4.43			
MAXIMUM	7.45		7.66		8.61		7.31		7.23		7.36		MAXIMUM
MINIMUM	3.24		2.98		3.18		3.24		3.01		3.16		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 19.5 - 12-10-50  
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGEZERO OF GAGE: 1940 TO 1952 -3.61 USGS  
1952 -3.79 USGS  
1964 -3.34 USGS  
1964 TO DATE -3.00 USGS



TABLE H-12 (CONTINUED)

## DAILY TIDES

895660 STOCKTON SHIP CHANNEL AT HURNS CUTOFF  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.96 6.53	3.00	2.46 3.74	5.66 6.99	2.51 4.10	5.76 7.26	1.84 3.08	5.49 6.17	2.96 3.09	6.51 5.83	3.03 2.94	6.76 6.00	01
02	2.92 3.61	6.06 6.85	2.59 4.02	5.78 6.95	2.57 4.21	5.98 7.07	2.08 2.90	5.75 5.57	3.54 3.23	7.09 5.67	3.12 2.60	6.63 5.37	02
03	3.07 3.57	6.10 6.75	2.44 3.89	5.68 6.79	2.45 4.06	6.07 6.83	1.91 2.52	5.69 4.98	3.30 2.41	6.91 5.67	2.95 2.31	6.37 5.28	03
04	2.80 3.64	5.90 6.84	2.31 3.90	5.62 6.64	3.22 4.46	6.71 6.86	1.94 2.45	6.04 4.69	5.69 7.33	4.29 2.92	3.61 2.88	6.69 5.69	04
05	2.82 3.84	5.80 6.88	2.35 3.91	5.76 6.41	2.82 3.62	6.29 5.78	2.17 2.14	5.98 5.98	5.44 6.74	3.82 2.51	5.62 5.78	4.09 2.65	05
06	2.66 3.97	5.65 6.75	2.27 3.64	5.75 5.94	2.34 3.09	6.14 5.22	4.54 6.57	2.67 2.49	5.30 6.61	3.78 2.46	5.76 6.64	4.28 2.54	06
07	2.49 4.25	5.70 7.00	2.19 3.65	6.05 6.02	2.41 2.77	6.29 5.22	5.15 6.80	3.38 2.43	5.59 6.83	3.94 2.67	5.62 6.99	4.00 3.31	07
08	2.82 4.34	5.91 6.72	2.35 2.98	5.99 5.99	5.15 6.24	2.66 2.39	5.50 7.41	4.10 3.02	5.82 6.93	3.97 2.95	6.11 6.76	3.92 3.00	08
09	2.58 4.09	5.94 6.57	5.51 6.09	2.36 2.64	5.00 6.51	2.98 2.37	5.67 6.72	3.75 2.11	6.46 7.28	4.23 2.95	6.31 6.69	3.92 2.92	09
10	2.51 3.63	6.02 6.16	5.33 6.16	2.51 2.38	5.23 6.75	3.32 2.41	5.18 6.60	3.49 4.17	3.67 6.72	6.72 7.06	6.24 6.66	3.69 3.10	10
11	6.37 6.08	2.57 3.16	5.28 6.29	2.66 2.31	5.34 6.81	3.54 2.41	2.05 3.42	5.17 6.53	3.09 3.75	6.17 6.72	6.40 6.63	3.66 2.60	11
12	6.16 6.05	2.41 2.81	5.32 6.53	2.94 2.94	2.35 3.67	5.38 6.83	1.99 3.15	5.11 6.08	2.92 3.62	6.19 6.74	3.16 3.36	6.37 6.33	12
13	6.03 6.27	2.63 2.67	2.30 3.32	5.50 6.80	2.45 3.66	5.52 6.67	1.70 3.01	4.93 5.99	3.19 4.05	6.71 6.70	3.11 3.50	6.39 6.48	13
14	5.98 6.46	2.80 2.59	2.44 3.60	5.64 7.02	2.08 3.45	5.22 6.51	1.83 3.13	5.14 5.88	3.50 4.00	6.76 6.22	3.36 3.06	6.36 6.00	14
15	5.87 6.45	2.88 2.88	2.64 3.85	5.82 7.02	2.10 3.49	5.25 6.25	1.91 3.11	5.28 5.71	3.30 3.47	6.42 5.72	3.28 2.98	6.43 6.00	15
16	2.40 3.09	5.74 6.84	2.49 3.94	5.70 6.86	1.93 3.49	5.18 6.09	1.98 3.04	5.46 5.37	3.26 3.58	6.60 5.09	4.03 3.29	7.02 5.75	16
17	2.41 3.30	5.75 6.70	2.42 3.89	5.67 6.44	2.04 3.70	5.56 6.03	1.92 2.76	5.33 4.80	3.24 3.13	6.23 4.76	3.58 2.72	6.47 5.55	17
18	2.37 3.56	5.71 6.78	2.20 4.13	5.72 6.35	2.04 3.60	5.57 5.49	1.90 2.57	5.34 4.47	3.28 2.74	6.16 4.60	3.82 2.85	6.59 5.42	18
19	2.55 4.01	5.95 6.93	2.26 3.85	5.57 5.72	1.90 3.36	5.48 4.98	2.10 2.24	5.45 4.02	3.64 2.73	6.41 4.00	4.10 3.11	6.73 5.61	19
20	2.75 4.26	5.99 6.69	2.07 3.98	5.64 5.74	1.88 3.01	5.43 4.44	2.35 2.22	5.66 4.00	5.22 6.66	4.21 2.41	4.38 2.64	6.53 5.61	20
21	2.56 4.07	5.72 6.18	2.51 4.70	6.00 5.68	1.98 3.04	5.61 4.50	4.30 6.07	3.07 2.08	5.08 6.54	4.00 2.14	5.54 6.24	4.24 3.48	21
22	2.37 4.27	5.87 6.19	2.75 3.20	6.10 4.79	2.37 2.46	5.87 4.46	4.44 6.23	3.34 1.92	4.90 6.30	3.47 1.97	6.58 6.96	4.66 3.16	22
23	2.61 3.85	5.88 5.61	2.43 2.66	5.77 5.67	4.20 5.87	2.59 2.08	4.63 6.53	3.48 2.02	5.18 6.41	3.19 2.06	6.34 6.77	4.09 2.88	23
24	2.39 3.46	5.84 5.84	4.63 5.02	2.52 2.70	4.16 5.97	2.81 1.92	4.93 6.69	3.55 2.09	5.45 6.59	3.05 2.38	6.38 6.89	3.78 3.26	24
25	5.56 6.03	2.67 3.34	5.23 6.34	3.09 2.48	4.53 6.44	3.14 2.10	5.18 6.88	3.55 2.25	5.87 6.70	3.16 2.00	7.37 7.93	4.93 3.87	25
26	5.77 6.33	2.99 3.22	5.08 6.52	3.22 2.45	5.03 6.83	3.54 2.19	5.44 7.03	3.71 2.00	2.69 3.01	6.12 6.41	6.91 7.00	4.14 3.87	26
27	5.78 6.42	3.07 3.04	5.29 6.74	3.52 2.43	5.35 7.40	3.78 2.40	2.30 3.45	5.44 6.93	2.58 2.70	6.11 6.11	3.60 3.87	7.15 6.80	27
28	6.22 7.44	3.91 3.61	5.48 6.95	3.74 2.40	2.74 4.03	5.93 7.13	2.28 2.96	5.46 6.75	2.60 2.70	6.36 5.95	3.53 3.12	6.98 6.14	28
29	5.97 6.74	3.47 2.75	2.43 3.70	5.53 6.97	2.70 3.73	5.70 7.00	2.24 2.91	5.66 6.27	2.91 2.91	6.27 6.27	3.47 2.97	7.16 6.21	29
30	5.74 6.70	3.43 3.43	2.42 3.96	5.67 7.18	2.17 3.53	5.47 7.01	2.29 2.93	5.96 6.13	2.99 2.99	6.13 6.13	3.61 2.94	7.21 6.24	30
31	2.53 3.51	5.61 6.82			2.58 2.96	5.22 6.13	2.40 2.49	6.00 6.24			4.03 3.42	7.51 6.17	31
MAXIMUM	7.44		7.18		7.40		7.41		7.33		7.93		MAXIMUM
MINIMUM	2.37		2.07		1.88		1.70		1.97		2.31		MINIMUM

LOCATION: LAT. 37 57 46, LONG. 121 21 54, SW SEC. 6, T1N, R5E,  
ON NORTH END OF ROUGH AND READY ISLAND, APPROXIMATELY  
0.4 MILE ABOVE HURNS CUTOFF.

PERIOD OF RECORD: MAY 1940 TO DATE

TABLE B-12 (CONTINUED)

## DAILY TIDES

R95660 STOCKTON SHIP CHANNEL AT BURNS CUTOFF  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.12 2.52	6.78 5.54	4.03 2.36	6.28 5.82	4.47 3.37	5.96	3.04 2.86	4.75 6.30	2.59 3.77	4.95	6.74 5.53	2.41 3.63	01
02	3.85 2.45	6.16	3.85 2.15	5.65	6.73 5.57	4.01 3.21	2.76 3.20	4.55	6.76 5.16	2.44 3.95	6.69 5.58	2.37 3.56	02
03	5.50 6.08	3.98 2.54	5.80 5.31	3.46 2.58	6.60 5.16	3.47 3.40	6.42 4.74	2.52 3.62	6.91 5.45	2.37 4.06	6.80 5.79	2.44 3.32	03
04	5.78 6.04	4.16 2.66	6.15 4.97	3.38 2.18	6.74 5.38	3.26 4.03	6.70 5.06	2.45 3.96	7.25 5.89	2.69 4.14	6.79 6.00	2.56 3.24	04
05	6.02 5.86	3.98 2.63	5.81 4.81	2.85 2.33	7.46 6.14	3.63 4.44	6.85 5.21	2.34 3.87	7.37 5.98	2.69 3.97	6.88 6.33	2.88	05
06	5.97 5.84	3.53 2.62	5.71 4.93	2.56 2.84	7.54 6.28	3.59 4.46	7.08 5.57	2.40 4.18	7.32 5.91	2.65 3.81	3.30 3.17	6.76 6.67	06
07	6.00 5.85	3.29 2.72	6.00 5.20	2.40 2.93	7.43 6.15	3.30 4.48	7.27 5.74	2.59 4.07	6.96 5.63	2.25 3.03	3.36 3.31	6.64 6.53	07
08	6.11 5.84	3.02 2.87	6.25 5.53	2.42 3.39	7.62 6.17	3.12 4.45	7.28 5.75	2.44 3.97	6.65 5.88	2.66 4.06	3.37 3.43	6.53 7.11	08
09	6.15 5.89	2.49 3.15	6.57 5.64	2.50 3.48	7.53 6.14	3.03 4.48	7.29 5.86	2.56 3.80	3.01 2.46	6.57 6.23	3.22 3.48	6.16 7.16	09
10	6.32 6.00	2.76 3.27	6.63 5.61	2.41 3.47	7.66 6.52	3.20	7.15 5.91	2.51	3.02 6.27	6.45 6.53	3.64 3.82	6.19 7.26	10
11	6.42 6.06	2.40	6.57 5.34	2.16 3.35	4.79 3.60	7.97 6.72	3.71 2.46	6.92 6.04	3.20 3.10	6.41 6.92	3.13 4.08	6.86 7.26	11
12	3.57 2.44	6.66 5.48	6.54	2.02	4.80 3.23	7.74 6.45	3.53 2.47	6.59 5.21	3.35 3.34	6.05 7.04	3.14 4.24	6.03 7.23	12
13	3.61 2.71	6.77 6.04	3.69 2.38	6.86 6.16	4.41 3.09	7.21 6.72	3.38 2.61	6.35 5.61	3.14 3.41	5.71 6.98	3.67 4.36	6.13	13
14	4.08 2.08	7.06 6.00	4.52 3.01	7.36 6.08	4.74 3.42	7.24 7.05	3.57 3.05	6.32 6.90	2.43 3.68	5.56 7.01	7.02 6.11	2.97 4.04	14
15	4.02 2.27	6.75 5.66	4.28 2.63	6.94 6.07	4.57 3.45	6.86 7.03	3.24 2.73	5.66 6.65	2.79 3.93	5.64	6.81 6.07	2.83 3.82	15
16	4.05 2.34	6.66 5.62	4.23 2.53	6.74 6.13	3.96 3.14	6.20	2.75 2.96	5.14	7.13 5.79	2.74 3.97	6.62 5.99	2.78 3.51	16
17	4.29 2.51	6.60 5.76	4.04 2.26	6.32	7.00 6.00	3.55 3.60	6.82 5.49	2.68 3.75	7.01 6.02	2.60 3.97	6.52 6.16	2.87 3.45	17
18	4.84 2.21	6.14	6.05 6.13	3.73 2.84	7.14 5.61	3.24 3.62	7.14 5.59	2.65 3.42	6.91 5.74	2.48 3.61	6.54 6.34	3.10 3.52	18
19	5.52 5.86	3.75 1.91	6.55 6.13	3.63 3.36	7.40 5.69	3.22 3.58	7.17 5.73	2.57 3.98	6.75 5.74	2.51 3.52	6.48 6.21	3.12	19
20	5.55 5.73	3.34 2.13	7.21 5.71	3.90 2.43	7.23 5.78	2.70 4.03	7.20 5.84	2.50 4.00	6.59 5.88	2.45 3.46	6.31 2.93	6.14 6.16	20
21	5.92 6.06	3.16 2.60	6.49 5.49	2.62 2.99	7.39 5.84	2.78 4.00	7.14 5.82	2.55 3.85	6.71 6.15	2.69 3.62	2.95 3.11	6.11 6.25	21
22	6.34 6.10	3.22 2.66	6.89 5.69	2.61 3.33	7.39 5.96	2.61	7.10 5.95	2.50 3.80	6.62 6.08	2.76	3.88 3.12	5.84 6.19	22
23	6.37 5.78	2.56 2.74	7.02 5.81	2.70 3.55	7.26 5.96	2.61 4.12	7.05 5.95	2.54	3.35 2.75	2.74 6.13	2.62 2.93	5.46 6.06	23
24	6.57 6.25	2.47 3.46	7.16 5.69	2.59	7.13 5.79	2.61	3.81 2.61	6.98 5.97	3.20 2.75	6.13	2.36 3.11	5.26 6.15	24
25	7.07 6.64	2.74 3.36	7.28 5.40	2.54	3.76 2.05	6.69 5.64	3.69 2.53	6.68 6.07	3.07 3.02	5.95 6.34	2.39 3.46	5.27 6.35	25
26	6.85 5.70	2.37	3.88 2.62	7.22 6.20	3.66 2.09	6.46 5.74	3.72 2.73	6.55 6.27	3.39 3.54	6.05 6.05	2.60 3.86	5.54 6.59	26
27	3.12 2.27	6.87 5.64	4.20 2.65	7.27 6.06	3.74 2.14	6.35 5.83	3.75 3.18	6.42 6.61	3.32 3.23	5.48 6.41	2.78 4.29	5.64 6.63	27
28	3.44 2.20	6.73 5.43	4.20 2.62	6.90 6.02	3.71 2.13	5.95 5.90	3.87 3.20	6.16 6.67	2.85 3.30	5.05 6.36	2.71 4.10	5.68 6.45	28
29	3.72 2.17	6.64 5.72	4.18 2.31	6.69 6.15	3.63 2.47	5.65 6.02	3.61 3.12	5.63 6.50	2.53 3.57	4.87 6.36	2.56 3.91	5.74	29
30	3.95 2.20	6.58 5.77	4.47 2.67	6.54 6.51	3.37 2.63	5.88 6.19	3.23 3.11	5.02 6.44	2.39 3.97	5.04 6.62	6.47 5.93	2.70 3.70	30
31			4.60 3.00	6.36 6.60			2.84 3.38	4.74 6.54	2.36 4.74	5.29			31
MAXIMUM	7.07	7.36	7.47	7.29	7.37	7.29	7.37	7.26	MAXIMUM				
MINIMUM	1.91	2.02	2.05	2.34	2.25	2.36	MINIMUM						

MAXIMUM GAGE HEIGHT OF RECORD: 10.3 - 12-26-55

 ZERO OF GAGE: 1940 to 1943 -4.22 USCGS  
 1943 to 1945 -4.35 USCGS  
 1945 to 1946 -4.70 USCGS  
 1946 to 1951 -3.00 USCGS  
 1951 -3.02 USCGS  
 1964 -3.53 USCGS  
 1964 to DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

895820 SAN JOAQUIN RIVER AT RINDGE PUMP  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.74 3.31	-0.06	-0.66 0.64	2.47 3.75	-0.35 0.98	2.56 4.05	-1.20 0.01	2.28 2.96	-0.02 0.09	3.42 2.71	-0.04 -0.12	3.53 2.79	01
02	-0.19 0.49	2.82 3.64	-0.48 0.91	2.57 3.77	-0.50 1.11	2.78 3.90	-0.97 -0.16	2.54 2.36	0.47 0.18	3.90 2.48	0.11 -0.47	3.43 2.18	02
03	-0.01 0.50	2.89 3.54	-0.62 0.79	2.46 3.58	-0.52 1.02	2.89 3.65	-1.15 -0.55	2.48 1.79	0.22 -0.14	3.71 2.44	-0.12 -0.75	3.17 2.08	03
04	-0.26 0.57	2.70 3.63	-0.76 0.78	2.41 3.43	0.15 1.36	3.47 3.67	-1.13 -0.61	2.02 1.50	2.53 4.12	1.20 -0.14	0.52 -0.40	3.49	04
05	-0.28 0.74	2.59 3.66	-0.72 0.79	2.54 3.21	-0.33 0.53	3.07 2.61	-0.89 -0.90	2.80	2.25 3.57	0.73 -0.56	2.44 3.58	0.98 -0.41	05
06	-0.41 0.44	2.44 3.54	-0.80 0.56	2.55 2.75	-0.73 0.01	2.91 2.03	1.37 3.39	-0.39 -0.57	2.11 3.41	0.68 -0.60	2.58 3.49	1.20 -0.52	06
07	-0.58 1.14	2.54 3.80	-0.88 0.56	2.85 2.82	-0.66 -0.27	3.08	1.96 3.60	0.29 -0.63	2.39 3.64	0.66 0.40	2.47 3.86	0.99 0.26	07
08	-0.27 1.22	2.69 3.52	-0.72 -0.11	2.77	1.98 3.01	-0.40 -0.67	2.31 4.19	1.01 -0.07	2.63 3.72	0.90 -0.15	3.11 3.57	1.11 -0.06	08
09	-0.49 0.99	2.75 3.38	2.32 2.86	-0.71 -0.44	1.88 3.29	-0.10 -0.70	2.48 3.50	0.64 -0.93	3.24 4.08	1.16 0.59	2.91 3.48	0.80 -0.14	09
10	-0.56 0.52	2.82	2.12 2.94	-0.57 -0.69	2.03 3.53	0.23 -0.64	2.80 3.40	0.41	3.52 3.85	1.10	3.64	0.62 0.03	10
11	3.17 2.95	-0.50 0.00	2.07 3.08	-0.41 -0.75	2.14 3.60	0.44 -0.71	1.00 0.32	1.96 3.31	0.02 0.67	2.96 3.50	3.19 3.40	0.57 0.07	11
12	2.94 2.82	-0.65 -0.25	2.12 3.31	-0.12 -0.76	2.18 3.64	0.58	-1.07 0.06	1.90 2.92	-0.15 0.58	2.99 3.52	3.10 3.12	0.30	12
13	2.81 3.05	-0.43 -0.39	2.29 3.58	0.23	-0.93 0.57	2.27 3.41	-1.35 -0.09	1.71 2.79	0.15 0.97	3.50 3.00	0.45 0.04	3.18 3.28	13
14	2.76 3.23	-0.26 -0.44	-0.61 0.50	2.44 3.79	-0.47 0.35	2.03 3.30	-1.22 0.05	1.94 2.67	0.41 0.99	3.54 3.01	0.27 -0.02	3.14 2.80	14
15	2.65 3.23	-0.18	-0.42 0.77	2.62 3.82	-0.47 0.39	2.04 3.05	-1.15 2.52	2.09 2.52	0.21 0.37	3.19 2.54	0.20 -0.09	3.22 2.81	15
16	-0.66 0.62	2.54 3.42	-0.56 0.84	2.50 3.63	-1.14 0.38	1.98 2.87	-1.08 -0.03	2.25 2.14	0.18 0.45	3.39 1.92	0.94 0.19	3.49 2.55	16
17	-0.64 0.27	2.54 3.49	-0.65 0.77	2.46 3.25	-1.04 0.57	2.25 2.93	-1.14 -0.31	2.13 1.61	0.14 0.02	3.02 1.60	0.50 -0.36	3.27 2.36	17
18	-0.69 0.47	2.49 3.57	-0.66 1.00	2.51 3.14	-1.01 0.51	2.36 2.32	-1.18 -0.52	2.17 1.30	0.18 -0.36	2.97 1.43	0.73 -0.26	3.40 2.52	18
19	-0.52 0.89	2.74 3.69	-0.82 0.75	2.37 2.53	-1.17 0.25	2.27 1.80	-0.96 -0.85	2.21 0.84	0.54 -0.39	3.24 2.49	0.99 0.07	3.43 2.43	19
20	-0.32 1.14	2.77 3.49	1.00 0.85	2.43 2.55	-1.20 -0.08	2.23 1.27	-0.73 -0.86	2.44 3.46	2.04 0.67	1.09 -0.47	1.27 -0.44	3.32	20
21	-0.51 0.96	2.51 2.99	-0.52 1.61	2.59 2.46	-1.10 -0.05	2.42 1.31	1.13 2.87	-0.04 -0.99	1.86 3.32	0.36 -0.94	2.36 3.10	1.14 0.31	21
22	-0.70 1.16	2.40 3.01	-0.33 0.11	2.89 1.61	-0.73 -0.63	2.65	1.27 3.64	0.24 -1.14	1.08 3.10	0.36 -1.09	2.39 3.74	1.56 0.24	22
23	-0.48 0.74	2.60 2.42	-0.65 -0.43	2.57	1.03 2.85	-0.49 1.00	1.44 3.33	0.39 -1.03	1.98 3.19	0.11 -0.99	3.12 3.55	0.99 -0.21	23
24	-0.68 0.37	2.62	1.45 2.64	-0.57 -0.36	1.05 2.78	-0.30 -1.15	1.74 3.49	0.45 -0.97	2.24 3.37	-0.01 -0.68	3.17 3.68	0.69 0.18	24
25	2.39 2.80	-0.41 0.26	2.04 1.13	0.01 -0.59	1.35 3.23	0.94 -0.97	1.98 3.72	0.46 -0.88	2.66 3.49	0.11	4.11 4.64	1.80 0.77	25
26	2.57 3.09	-0.11 0.14	1.89 1.32	0.14 -0.61	1.83 3.63	0.45 -0.86	2.24 3.82	0.62	-0.36 -0.06	2.91 2.91	3.66 3.73	0.91 0.48	26
27	2.57 3.20	-0.08 -0.02	2.89 3.52	0.43 -0.64	2.18 4.23	0.76	-0.75 0.30	2.24 3.60	-0.48 -0.35	2.88 2.49	3.91 3.57	0.69	27
28	3.00 4.20	0.83 0.53	2.27 3.74	0.64	-0.26 0.92	2.72 3.92	-0.78 -0.68	2.24 3.50	-0.44 -0.35	3.15 2.74	0.43 0.00	3.75 2.92	28
29	2.77 3.51	0.37 -0.31	-1.63 0.61	2.32 3.75	-0.36 0.83	2.48 3.79	-0.79 -0.15	2.44 3.05			0.37 -0.10	3.94 3.08	29
30	2.53 3.47	0.36	-0.64 0.85	2.47 3.96	-0.85 0.42	2.27 3.77	-0.76 -0.10	2.75 2.92			0.54 -0.15	3.99 3.03	30
31	-0.93 0.43	2.40 3.59			-0.56 -0.12	2.02 2.91	-0.63 -0.40	2.84 3.11			0.95 0.29	4.26 2.94	31
	MAXIMUM	4.20		3.96		4.23		4.19		4.12		4.64	MAXIMUM
	MINIMUM	-3.70		-0.88		-1.20		-1.35		-1.09		-0.75	MINIMUM

LOCATION: LAT. 37 59 31, LONG. 121 25 06, NW SEC. 27, T24N, R5E,  
ON RINDGE TRACT AT FOURTEEN MILE SLOUGH NEAR JUNCTION  
WITH STOCKTON SHIP CHANNEL, 8 MILES NW OF STOCKTON.

PERIOD OF RECORD: JULY 1939 TO DATE

TABLE B-12 (CONTINUED)

## DAILY TIDES

 095620 SAN JOAQUIN RIVER AT BINDO PUMP  
 (APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
01	1.04 -0.58 2.34	0.95 -0.72 3.09 2.58	1.34 0.16 2.75	-0.03 -0.26 1.56 3.11	-0.50 0.66 1.92	3.54 -0.69 2.26 0.52	01
02	0.77 -0.65 2.97	0.77 -0.92 2.46	3.52 2.36 0.88 0.01	-0.33 0.08 1.37	3.55 1.95 0.64 0.84	3.47 2.35 -0.76 0.43	02
03	2.32 2.89 0.88 -0.55	2.61 2.13 0.39 -0.53	3.38 1.98 0.24 0.20	3.21 1.54 -0.56 0.51	3.70 2.21 -0.76 0.96	3.58 2.56 -0.65 0.22	03
04	2.59 2.82 1.06 -0.41	2.96 1.77 0.29 -0.91	3.56 2.21 0.04 0.88	3.48 1.87 -0.63 0.81	4.04 2.66 -0.48 1.03	3.56 2.77 -0.54 0.13	04
05	2.84 2.70 0.90 -0.44	2.62 1.68 -0.25 -0.72	4.25 2.69 0.45 1.27	3.65 2.00 -0.74 0.77	4.15 2.76 -0.39 0.66	3.57 3.09 -0.27 0.15	05
06	2.78 2.65 0.45 -0.45	2.51 1.73 -0.52 -0.42	4.33 3.04 0.38 1.38	3.87 2.34 -0.68 1.08	4.09 2.70 -0.43 0.52	3.54 3.45 -0.03	06
07	2.81 2.66 0.20 -0.34	2.80 2.00 -0.67 -0.14	4.21 2.92 -0.07 1.31	4.10 2.51 -0.49 0.96	3.73 2.39 -0.62 -0.04	0.18 0.13 3.41 3.69	07
08	2.91 2.65 -0.04 -0.20	3.04 2.28 -0.65 0.30	4.39 2.95 -0.12 1.30	4.03 2.54 -0.64 0.86	3.42 2.65 -0.82	0.19 0.32 3.29 3.88	08
09	2.95 2.69 -0.19 0.09	3.38 2.41 -0.67 0.40	4.33 2.95 -0.26 1.34	4.07 2.64 -0.52 0.70	-0.05 -0.80 3.34 3.00	0.02 0.29 2.93 3.94	09
10	3.11 2.77 -0.30 0.20	3.43 2.38 -0.67 0.38	4.43 3.29 -0.11 1.64	3.92 2.69 -0.57	-0.01 -0.41 3.23 3.30	0.16 0.68 2.97 4.02	10
11	3.22 2.84 -0.29 0.51	3.35 2.15 -0.94 0.26	4.74 3.51 0.34	0.63 -0.60 2.80	0.14 0.02 3.18 3.70	0.05 0.96 2.83 4.04	11
12	3.46 2.67 -0.43 2.67	3.34 2.28 -1.04 0.60	1.63 -0.14 4.40 3.21	0.47 -0.59 3.37 3.00	0.27 0.21 2.83 3.82	0.06 1.16 2.80 3.98	12
13	0.55 -0.35 3.58 2.84	3.63 2.95 -0.71	1.21 -0.27 3.98 3.49	0.31 -0.49 3.12 3.39	0.08 0.29 2.54 3.77	-0.07 1.24 2.90	13
14	0.99 -0.20 3.88 2.81	1.44 -0.12 4.15 2.89	1.59 0.17 4.04 3.82	0.50 -0.04 3.10 3.68	-0.16 0.55 2.34 3.80	3.79 2.87 -0.13 0.93	14
15	0.95 -0.76 3.56 2.45	1.18 -0.47 3.74 2.85	1.41 0.25 3.67 3.80	0.17 -0.34 2.44 3.43	-0.29 0.81 2.43 3.43	3.59 2.80 -0.32 0.73	15
16	0.93 -0.68 3.54 2.43	1.13 -0.57 3.52 2.93	0.73 -0.03 3.00	-0.33 -0.13 1.98	3.91 2.55 -0.33 0.84	3.39 2.76 -0.30 0.43	16
17	1.09 -0.57 3.40 2.56	0.96 -0.83 3.12 2.84	3.79 2.77 0.39 0.47	3.60 2.25 -0.39 0.64	3.79 2.77 -0.49 0.84	3.30 2.92 -0.23 0.37	17
18	0.97 -0.86 2.96	0.64 -0.27 2.91	3.76 2.39 0.02 0.49	3.91 2.35 -0.42 0.81	3.69 2.52 -0.59 0.52	3.34 3.10 0.00 0.44	18
19	2.34 2.67 0.33 -1.16	3.35 2.90 0.55 0.25	4.20 2.46 -0.02 0.42	3.95 2.50 -0.51 0.87	3.53 2.51 -0.63 0.43	3.26 3.07 0.03 0.13	19
20	2.35 2.52 0.25 -0.94	3.97 2.44 0.71 -0.66	4.00 2.54 -0.48 0.88	3.97 2.60 -0.50 0.91	3.37 2.64 -0.63 0.37	2.93 2.94 -0.24	20
21	2.73 2.83 0.11 -0.45	3.27 2.27 -0.48 -0.63	4.16 2.60 -0.46 0.86	3.92 2.59 -0.52 0.76	3.44 2.91 -0.39 0.54	-0.13 0.01 2.89 3.03	21
22	3.19 2.90 0.15 -0.38	3.60 2.47 -0.49 0.22	4.10 2.73 -0.53 0.97	3.88 2.68 -0.56 0.70	3.39 2.84 -0.32	-0.20 0.02 2.63 2.97	22
23	3.17 2.58 -0.49 -0.31	3.80 2.59 -0.42 0.44	4.05 2.78 -0.47 1.01	3.83 2.72 -0.47 0.72	0.28 -0.34 3.13 2.89	-0.48 -0.16 2.24 2.83	23
24	3.36 3.02 -0.55 0.41	3.95 2.67 -0.53 0.75	3.92 2.59 -0.48	3.75 2.75 -0.46	0.13 -0.35 2.98 2.87	-0.71 0.01 2.06 2.92	24
25	3.86 2.88 -0.31 0.38	4.06 2.68 -0.57 0.77	0.67 -1.02 3.47 2.42	0.60 -0.55 3.46 2.85	-0.01 -0.08 2.73 3.11	-0.69 -0.06 2.06 3.14	25
26	3.65 2.49 -0.70	4.00 2.96 -0.50	0.57 -0.99 3.25 2.53	0.64 -0.37 3.33 3.05	0.29 0.41 2.83 3.44	-0.49 0.73 2.28 3.36	26
27	0.26 -0.78 3.66 2.44	1.09 -0.49 4.05 2.87	0.69 -0.93 3.13 2.63	0.68 0.09 3.20 3.40	0.17 0.11 2.27 3.22	-0.35 1.15 2.42 3.27	27
28	0.37 -0.88 3.53 2.44	1.08 -0.53 3.75 2.88	0.62 -0.95 2.73 2.68	0.76 0.15 2.95 3.46	-0.50 0.17 1.85 3.14	-0.37 0.98 2.47 3.27	28
29	0.63 -0.89 3.48 2.52	1.07 -0.82 3.47 2.94	0.56 -0.65 2.44 2.81	0.53 0.05 2.43 3.30	-0.57 0.43 1.67 3.18	-0.53 0.78 2.52	29
30	0.86 -0.87 3.38 2.58	1.35 -0.40 3.39 3.30	0.24 -0.46 1.89 2.99	0.14 0.01 1.84 3.23	-0.72 0.58 1.86 3.41	3.26 2.70 -0.40 0.60	30
31		1.48 -0.18 3.12 3.39		-0.25 0.27 1.54 3.34	-0.73 0.92 2.09		31
MAXIMUM	3.88	4.15	4.74	4.10	4.15	4.04	MAXIMUM
MINIMUM	-1.16	-1.04	-1.02	-0.74	-0.82	-0.76	MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 12-26-55

 ZERO OF GAGE: 1939 TO 1940 -2.20 USED  
 1940 0.00 USCGS  
 1964 -0.52 USCGS  
 1964 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

## DAILY TIDES

895500 SAN JOAQUIN RIVER AT VENICE ISLAND  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.55 6.00	3.00	2.41 3.65	5.27 6.55	2.51 4.00	5.38 6.87	1.87 3.08	5.10 5.76	3.17 3.26	6.36 5.69	3.01 2.92	6.45 5.60	01
02	2.98 3.50	5.67 6.46	2.57 3.90	5.38 6.58	2.57 4.14	5.61 6.76	2.09 2.89	5.33 5.17	3.53 3.25	6.74 5.29	3.13 2.59	6.24 4.98	02
03	3.07 3.55	5.73 6.36	2.45 3.81	5.29 6.38	2.67 4.12	5.77 6.65	1.90 2.51	5.27 4.61	3.28 2.93	6.55 5.23	2.93 2.31	5.99 4.91	03
04	2.81 3.60	5.53 6.44	2.30 3.80	5.22 6.25	3.21 4.38	6.27 6.49	1.98 2.42	5.63 4.33	5.37 4.92	4.25 2.93	3.54 2.62	6.30 5.40	04
05	2.77 3.74	5.41 6.47	2.33 3.80	5.35 6.84	2.77 3.54	5.89 5.42	2.17 2.17	5.64 5.17	5.07 4.39	3.76 2.50	5.28 4.40	3.98 2.64	05
06	2.64 3.86	5.27 6.37	2.26 3.60	5.36 5.59	2.31 3.05	5.72 4.87	4.25 6.23	2.67 2.51	4.93 4.22	3.68 2.45	5.42 4.60	4.22 2.57	06
07	2.48 4.15	5.32 6.63	2.19 3.60	5.65 5.64	2.38 2.76	5.87 5.87	4.79 6.40	3.33 2.45	5.20 4.47	3.89 2.65	5.38 4.75	4.11 3.33	07
08	2.76 4.20	5.52 6.36	2.34 2.94	5.54 5.81	4.80 2.33	2.65 2.33	5.14 6.98	4.04 2.93	5.44 4.54	3.95 2.91	5.94 4.60	4.16 2.98	08
09	2.57 4.01	5.56 6.21	5.13 5.66	2.34 2.62	4.62 6.09	2.93 2.36	5.29 6.30	3.64 2.16	6.04 4.92	4.20 3.65	5.71 4.31	3.81 2.91	09
10	2.52 3.59	5.62 6.57	4.94 5.74	2.49 2.37	4.67 6.34	3.25 2.41	4.84 6.19	3.44 2.44	6.34 4.66	4.20 2.62	5.85 4.92	3.67 3.09	10
11	6.01 5.64	2.56 3.15	4.88 5.87	2.64 2.31	4.96 6.40	3.48 2.35	4.76 3.32	6.12 6.12	3.88 3.72	5.76 6.29	5.98 6.19	3.57 3.09	11
12	5.76 5.64	2.43 2.92	4.94 6.11	2.92 2.30	5.00 6.46	3.61 3.08	4.71 5.66	2.90 3.66	5.77 6.31	5.92 5.94	3.32 5.94	3.57 3.09	12
13	5.62 5.86	2.63 2.69	5.11 6.39	3.26 3.26	2.43 3.58	5.07 6.25	1.72 2.93	4.54 5.59	3.25 4.05	6.38 6.30	3.12 3.45	5.99 6.09	13
14	5.57 6.04	2.81 2.61	2.46 3.51	5.25 6.60	2.09 3.39	4.94 6.11	1.85 3.09	4.75 5.49	3.45 3.84	6.32 5.81	3.31 3.03	5.93 5.61	14
15	5.47 6.03	2.88 2.88	2.66 1.80	5.44 6.65	2.07 1.42	4.86 5.87	1.92 3.08	4.91 5.33	3.21 3.38	5.93 5.36	3.26 2.96	6.02 5.64	15
16	2.42 3.08	5.35 4.23	2.50 3.84	5.33 6.46	1.42 3.34	4.80 5.70	1.98 1.02	5.05 5.00	3.22 3.37	6.15 4.73	3.97 3.19	6.60 5.39	16
17	2.44 3.24	5.35 6.30	2.42 3.78	5.29 6.08	2.00 3.53	5.05 5.66	1.93 2.73	4.94 4.45	3.13 2.64	5.82 4.47	3.53 2.70	6.08 5.17	17
18	2.39 3.49	5.32 6.36	2.20 3.89	5.34 5.07	2.06 3.51	5.17 5.15	1.88 2.54	4.94 4.16	3.18 2.67	5.78 4.30	3.76 2.79	6.22 5.05	18
19	2.55 3.91	5.56 6.56	2.22 3.76	5.24 5.38	1.88 3.27	5.09 4.64	2.09 2.19	5.02 3.69	3.54 2.68	6.10 5.27	3.99 3.01	6.35 5.27	19
20	2.75 4.15	5.61 6.32	2.03 3.84	5.25 5.40	1.84 2.96	5.04 4.13	2.28 2.18	5.26 2.08	4.89 4.25	4.07 2.34	4.25 2.55	6.12 5.17	20
21	2.95 3.96	5.34 5.84	2.61 4.62	5.45 5.34	1.94 2.97	5.26 4.13	3.97 5.69	2.98 2.06	4.65 4.05	3.79 2.06	5.17 4.00	4.15 3.31	21
22	2.35 4.15	5.48 5.85	2.71 3.13	5.68 4.47	2.29 2.34	5.41 2.34	4.12 5.87	3.28 1.91	4.48 5.91	3.38 1.96	6.20 4.57	4.57 3.84	22
23	2.58 3.76	5.49 5.28	2.37 2.61	5.38 5.38	3.86 5.41	2.58 2.02	4.27 6.15	3.43 1.99	4.77 5.99	3.13 2.07	5.91 4.34	4.08 2.81	23
24	2.35 3.39	5.43 5.43	4.29 5.48	2.47 2.67	3.97 5.61	2.72 1.91	4.57 6.31	3.48 2.11	5.04 4.15	3.04 2.40	5.95 4.48	3.73 3.22	24
25	5.23 5.60	2.60 1.30	4.87 5.93	3.04 2.45	4.18 6.05	3.07 2.09	4.80 6.48	3.49 2.21	5.44 4.27	3.17 2.17	6.85 4.78	4.78 3.76	25
26	5.41 5.89	2.93 3.19	4.71 6.13	3.17 2.45	4.66 6.45	3.49 2.24	5.05 6.61	3.58 2.18	2.73 2.99	5.70 5.98	6.40 4.45	3.71 3.49	26
27	5.41 6.01	2.96 3.04	4.93 6.32	3.43 2.40	5.02 7.15	3.90 7.15	2.30 3.20	4.98 6.44	2.61 2.72	5.68 5.72	6.65 6.30	3.54 3.49	27
28	5.80 7.01	3.87 3.59	5.09 6.56	3.66 2.40	2.42 3.90	5.54 6.74	2.27 3.01	5.04 6.24	2.64 2.73	5.93 5.54	3.43 2.95	6.49 5.71	28
29	5.61 6.33	3.39 2.77	2.43 1.62	5.14 6.55	2.63 3.61	5.26 6.61	2.30 2.90	5.24 5.84	2.61 2.92	5.68 5.73	6.65 6.30	3.54 3.49	29
30	5.36 6.28	1.40 1.40	2.42 3.87	5.29 6.78	2.22 3.41	5.09 6.49	2.32 2.92	5.53 5.73	2.64 2.92	5.93 5.73	3.60 2.92	4.77 5.84	30
31	2.53 3.46	5.23 6.14	2.34 2.68	5.83 6.71	2.34 2.97	4.83 5.96	2.48 2.97	5.73 5.96	3.97 3.12	6.98 5.70	3.97 3.12	6.98 5.70	31
MAXIMUM	7.01		6.78		7.15		6.98		6.92		7.30		MAXIMUM
MINIMUM	2.35		2.03		1.64		1.72		1.96		2.31		MINIMUM

LOCATION: LAT. 38 03 01, LONG. 121 29 45, NE SEC. 2, T2N, R4E,  
ON LITTLE CONNECTION SLOUGH ON EMPIRE TRACT, 0.7 MILE  
SOUTH OF VENICE ISLAND FERRY.

PERIOD OF RECORD: OCT 1927 TO DATE

TABLE 8-12 (CONTINUED)  
DAILY TIDES  
ROSSBORO SAN JOAQUIN RIVER AT VENICE ISLAND  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.03	6.34	3.97	5.92	4.37	5.61	2.91	4.40	2.56	4.60	2.36	5.07	01
	2.47	5.15	2.30	5.40	3.08	6.34	2.73	5.94	3.70	6.38	3.54		
02	3.79	5.78	3.80	5.33	3.92	5.19	2.71	4.22	2.40	4.80	6.30	2.32	02
	2.34		2.11		3.05		3.03		3.00		5.16	3.44	
03	5.14	3.89	5.46	3.44	6.20	3.29	6.05	2.51	6.54	2.34	6.38	2.42	03
	5.71	2.48	4.99	2.44	4.83	3.21	4.40	3.51	5.06	4.04	5.36	3.26	
04	5.42	4.09	5.74	3.31	6.36	3.11	6.33	2.43	6.88	2.66	6.36	2.54	04
	5.64	2.63	4.58	2.13	5.05	3.88	4.68	3.81	5.48	4.08	5.56	3.20	
05	5.67	3.95	5.44	2.75	7.07	3.49	6.47	2.30	6.46	2.68	6.38	2.78	05
	5.54	2.61	4.42	2.34	5.69	4.28	4.83	3.81	5.56	3.90	5.88	3.20	
06	5.60	3.49	5.34	2.46	7.13	3.41	6.70	2.39	6.90	2.84	6.34	3.04	06
	5.46	2.60	4.55	2.63	5.84	4.33	5.29	4.12	5.52	3.54	6.24		
07	5.63	3.27	5.62	2.37	7.02	2.98	6.89	2.55	6.56	2.24	3.26	6.22	07
	5.48	2.73	4.80	2.90	5.72	4.32	5.33	4.01	5.20	3.02	3.18	6.50	
08	5.72	3.02	5.86	2.40	7.19	2.89	6.86	2.44	6.22	2.24	3.24	6.12	08
	5.46	2.85	5.07	3.31	5.74	4.32	5.35	3.94	5.42		3.38	6.88	
09	5.76	2.86	6.19	2.49	7.11	2.79	6.91	2.55	3.00	6.14	3.10	5.76	09
	5.49	3.15	5.19	3.41	5.76	4.37	5.47	3.75	2.46	5.78	3.32	6.72	
10	5.92	2.75	6.26	2.37	7.22	2.96	6.74	2.51	3.04	6.02	3.22	5.78	10
	5.55	3.25	5.17	3.41	6.10	4.68	5.52	3.65	2.66	6.12	3.70	6.87	
11	6.03	2.74	6.18	2.11	7.05	3.36	6.52	2.47	3.22	5.98	3.10	5.66	11
	5.62	3.56	4.95	3.29	6.31		5.62		3.06	6.50	3.98	6.84	
12	6.26	2.68	6.15	2.03	6.69	3.29	6.52	2.19	3.32	5.66	3.13	5.62	12
	5.40	3.59	5.10	3.64	2.91	6.01	2.47	5.92	3.24	6.62	4.18	6.60	
13	6.39	2.67	6.43	2.33	6.26	6.78	3.38	5.95	3.12	5.36	3.00	5.72	13
	5.66		5.73		2.74	6.28	2.60	6.20	3.10	6.58	4.22	6.62	
14	4.33	6.72	4.45	6.97	4.60	6.86	3.57	5.93	2.90	5.16	2.90	5.68	14
	2.85	5.64	2.84	5.72	3.10	6.63	3.03	6.55	3.54	6.62	3.44		
15	3.98	6.39	4.21	6.56	4.47	6.49	3.25	5.28	2.76	5.24	6.42	2.76	15
	2.30	5.27	2.52	5.70	3.28	6.61	2.72	6.24	3.04		5.64	3.74	
16	3.96	6.31	4.15	6.33	3.88	5.82	2.73	4.81	6.74	2.74	6.28	2.74	16
	2.36	5.26	2.47	5.76	3.01	6.59	2.91	6.43	5.40	3.48	5.56	3.46	
17	4.09	6.20	3.99	5.95	3.47	5.57	2.67	5.06	6.62	2.56	6.10	2.82	17
	2.45	5.39	2.22	5.65	3.92		3.65		5.56	3.86	5.72	3.42	
18	4.03	5.79	3.68	5.72	5.77	3.06	6.74	2.66	6.50	2.48	6.14	3.08	18
	2.15		2.75		5.22	3.44	5.18	1.83	5.34		5.88	3.48	
19	5.17	3.71	6.17	3.61	6.95	3.03	6.78	2.56	6.34	2.42	6.10	3.08	19
	5.49	1.86	5.68	3.30	5.27	3.45	5.31	3.91	5.32	3.44	5.86	3.18	
20	5.17	3.26	6.73	3.50	6.80	2.58	6.80	2.57	6.18	2.44	5.74	2.90	20
	5.35	2.10	6.13	2.41	5.35	3.90	5.42	3.94	5.44	3.40	5.74	2.94	
21	5.54	3.15	6.04	2.54	6.97	2.60	6.74	2.56	6.22	2.66	5.68	3.06	21
	5.63	2.63	5.08	2.93	5.41	3.89	5.42	3.80	5.70	3.56	5.84		
22	6.09	3.17	6.40	2.68	6.92	2.54	6.70	2.57	6.22	2.74	2.84	5.46	22
	5.70	2.71	5.27	3.26	5.55	4.00	5.46	3.74	5.64		3.06	5.78	
23	5.97	2.59	6.01	2.64	6.07	2.61	6.64	2.61	3.32	5.96	2.62	5.07	23
	5.38	2.76	5.40	3.50	5.63	4.07	5.54	3.75	2.72	5.08	2.88	5.64	
24	6.16	2.54	6.75	2.52	6.75	2.68	6.57	2.63	3.18	5.74	2.34	4.88	24
	5.81	3.44	5.47	3.77	5.42	3.71	5.56		2.70	5.68	3.02	5.74	
25	6.68	2.73	6.87	2.48	6.31	2.05	3.64	6.27	3.06	5.54	2.36	4.88	25
	5.68	3.35	5.50	3.82	5.23		2.54	5.67	2.98	4.92	3.34	5.96	
26	6.44	2.34	6.80	2.57	3.59	6.08	3.48	6.18	3.32	5.66	2.56	5.10	26
	5.29	3.30	5.10		2.04	4.37	2.72	5.88	3.42	6.26	3.72	6.20	
27	6.46	2.76	4.14	6.87	1.72	5.95	3.72	6.01	3.22	5.10	2.77	5.22	27
	5.25		2.56	5.68	2.12	5.45	3.14	6.22	3.14	6.02	4.12	6.26	
28	3.42	6.34	4.09	6.56	3.84	5.56	3.86	5.79	2.78	4.70	2.68	5.78	28
	2.15	5.24	2.45	5.62	2.11	5.51	3.17	6.29	3.18	5.96	3.98	6.08	
29	3.65	6.29	4.07	6.27	3.60	5.28	3.60	5.24	2.46	4.50	2.57	5.32	29
	2.18	5.35	2.23	6.75	2.36	5.64	3.11	6.13	3.44	5.98	3.78	6.08	
30	3.89	6.29	4.36	6.22	3.35	4.74	3.19	4.75	2.34	4.66	2.67	5.50	30
	2.22	5.19	2.96	6.12	2.54	5.84	3.03	6.08	3.08	6.24	3.62		
31			4.50	5.96			2.79	4.41	2.32	4.92			31
			2.61	6.22			3.28	6.14	3.76	6.36			
MAXIMUM	6.72		6.97		7.05		6.91		6.46		6.84		MAXIMUM
MINIMUM	1.86		2.03		2.05		2.30		2.24		2.32		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.7 - 12-26-55

ZERO OF GAGE: 1927 -3.45 USCGS  
1959 -4.00 USCGS  
1964 -4.01 USCGS  
1964 TO DATE -3.00 USCGS

TABLE R-12 (CONTINUED)

## DAILY TIDES

895540 MIDDLE RIVER AT MOWRY BRIDGE  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.34 3.51	5.63 5.75	3.66 4.59	5.79 6.81	3.98 4.66	5.83 6.47	3.27 3.97	5.44 5.79	3.90 3.99	5.62 5.30	3.86 3.80	5.75 5.40	01
02	3.57 3.95	5.78 6.55	4.03 4.78	5.96 6.64	3.92 4.78	6.04 6.58	3.51 3.84	5.32 5.39	4.12 4.16	6.40	3.87 3.61	5.66 4.65	02
03	3.67 3.94	5.84 6.85	4.02 4.71	5.86 6.46	3.76 4.61	5.97 6.51	3.22 3.39	5.14 4.68	5.34 6.15	4.02 3.77	3.65 3.43	5.51	03
04	3.39 3.92	5.62 6.09	3.97 4.74	5.83 6.79	4.39 5.16	6.80 6.61	3.10 3.55	5.30	5.52 6.60	4.50	NR	NR	04
05	3.37 4.04	5.55 6.16	4.04 4.69	5.59 6.34	4.21 4.51	5.99	4.48 5.25	3.34 3.41	3.88 4.33	5.38 6.20	NR	NR	05
06	3.25 4.06	5.39 6.09	3.92 4.50	5.90 6.10	5.96 5.83	3.83 4.20	4.16 5.89	3.46	3.86 4.48	5.33 6.21	NR	NR	06
07	3.10 4.27	5.43 6.37	3.65 4.37	5.73	5.43 5.93	3.84 4.07	3.63 3.86	5.11 6.05	4.19 4.91	5.72 6.51	NR	NR	07
08	3.29 4.36	5.67	6.16 5.76	3.69 3.94	5.38 5.61	4.00	3.46 4.48	5.11 6.74	4.51 5.10	6.04 6.50	NR	NR	08
09	6.51 5.70	3.15 4.17	5.58 5.66	3.59	3.88 4.12	5.24 6.08	4.04 4.33	5.38 6.27	4.69 5.32	6.29 6.81	NR	NR	09
10	6.33 5.45	3.12 3.85	3.74 3.65	5.38 5.64	3.92 4.23	5.23 6.36	3.51 4.04	4.86 6.07	5.03 5.30	6.86 6.74	NR	NR	10
11	6.09 5.74	3.16 3.54	3.65 3.69	5.32 6.27	4.01 4.43	5.54 6.44	3.48 4.02	4.85 5.88	4.74 4.99	6.31 6.42	NR	NR	11
12	5.47 5.62	3.05	3.67 3.84	5.11 6.39	3.98 4.51	5.56 6.89	3.46 3.85	4.70 5.29	4.65 5.01	6.32 6.44	NR	NR	12
13	3.29 3.18	5.63 5.85	3.64 4.07	5.13 6.79	4.87 4.55	5.66 6.13	3.19 3.65	4.35 5.41	4.81 5.23	6.76 6.60	NR	NR	13
14	3.29 3.23	5.47 6.01	3.83 4.25	5.31 7.00	3.81 4.26	4.99 6.25	3.14 3.63	4.84 5.13	5.00 5.41	6.88 6.33	4.62 4.44	6.83 6.07	14
15	3.28 3.27	5.24 6.02	4.01 4.45	5.87 6.65	3.83 4.27	5.05 5.74	3.11 3.76	4.86 5.37	5.07 5.20	6.24 5.97	4.56 4.56	6.11 6.21	15
16	3.13 3.42	5.11 6.23	3.83 4.47	5.70 6.52	3.67 4.25	4.91 6.17	3.31 3.83	5.01 5.15	5.14 5.31	6.51 5.62	5.07 4.79	6.78 6.05	16
17	3.14 3.56	5.01 5.91	3.77 4.40	5.41 5.98	3.76 4.44	5.11 5.74	3.27 3.63	4.81 6.72	4.99 4.84	6.15 5.35	4.78 4.43	6.62 5.82	17
18	3.14 3.83	5.31 6.50	3.56 4.57	5.39 6.12	3.65 4.27	5.21 5.33	3.18 3.47	4.69 4.24	4.71 4.44	6.00	4.89 4.53	6.76	18
19	3.26 4.18	5.46 6.26	3.57 4.32	5.55 5.55	3.43 4.04	5.07 5.00	3.19 3.28	4.69	5.13 6.12	4.68 4.34	5.77 6.92	4.97 4.51	19
20	3.36 4.38	5.77 6.52	3.38 4.36	5.32 5.87	3.30 3.86	5.11 4.38	3.69 4.94	3.11 3.22	5.35 6.43	5.02 4.34	5.77 6.39	5.67 4.32	20
21	3.22 4.17	5.02 5.67	3.64 5.01	6.27	3.21 3.75	4.93	4.21 5.41	3.44	5.47 6.41	4.93	5.81 6.12	5.85 4.74	21
22	3.02 4.33	5.44	5.76 5.77	3.69 3.42	4.57 5.39	3.39 3.51	3.06 3.70	3.33 5.74	4.22 4.55	5.21 5.86	6.35 6.81	5.46	22
23	6.10 5.23	3.18 4.06	4.91 5.25	3.36 3.52	4.04 5.40	3.31	3.30 4.01	4.60 6.04	3.98 4.35	4.98 5.76	4.72 5.17	6.07 6.35	23
24	5.59 5.29	3.13 3.86	4.50 5.22	3.33	3.24 3.36	4.01 5.46	3.46 4.15	4.89 6.18	3.94 4.20	5.09 6.04	4.74 5.10	5.98 6.73	24
25	5.56 5.48	3.39 3.90	3.54 3.76	4.85 5.99	3.11 3.62	4.46 5.81	3.57 4.22	5.13 6.10	3.98 4.29	5.83 6.23	4.91 5.81	7.34 7.67	25
26	5.76 5.70	3.74	3.63 3.93	5.15 6.10	3.32 4.00	4.72 6.25	3.69 4.30	5.23 6.24	4.14 4.28	5.86 6.06	5.43 5.47	7.11 6.85	26
27	3.91 3.84	5.80 5.88	3.66 4.15	5.23 6.29	3.51 4.11	5.13 6.71	3.65 4.12	4.96 6.23	4.09 3.96	5.48 5.80	5.11 5.35	7.20 6.87	27
28	3.86 4.50	6.17 7.10	3.74 4.33	5.43 6.35	3.90 4.74	6.02 6.62	3.51 3.61	5.20 5.87	3.81 3.74	5.49 5.45	5.88 6.85	7.07 6.82	28
29	4.37 4.21	6.03 6.59	3.77 4.28	5.19 6.58	4.06 4.49	5.82 6.35	3.42 3.80	5.16 5.73			4.88 4.71	6.69 6.05	29
30	3.78 4.21	5.76 6.14	3.82 4.48	5.61 6.73	3.67 4.17	5.21 6.57	3.58 3.90	5.34 5.60			4.89 4.67	6.62 5.95	30
31	3.71 4.23	5.69 6.32			3.96 3.85	5.38 5.65	3.68 3.65	5.25 5.62			5.13 5.07	7.23 6.42	31
MAXIMUM	7.10		7.00		6.89		6.74		6.88		NR		MAXIMUM
MINIMUM	3.02		3.33		3.11		3.06		2.74		NR		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 50 04, LONG 121 22 59, NE SEC. 24, T1S, R5E,  
AT UNION ROAD CROSSING ON UPPER ROBERTS ISLAND.PERIOD OF RECORD: JULY 1948 TO SEPT 1966  
MARCH 1968 TO DATE

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TABLE B-12 (CONTINUED)  
DAILY TIDES  
895540 MIDDLE RIVER AT HOWAY BRIDGE  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.21	6.52	5.28	4.02	6.44	4.68	5.77	3.08	6.12	2.79	5.81	3.10	01
	4.34		5.52	2.91	5.90	3.96	4.18	2.79	4.25	3.71	4.80	3.84	
02	5.67	4.69	5.31	3.85	6.55	4.61	5.80	2.81	6.08	2.72	5.71	2.94	02
	5.95	3.95	4.94	2.65	5.63	4.14	3.97	3.01	4.38	3.87	4.87	3.65	
03	5.44	4.55	4.86	3.44	6.48	4.32	5.90	2.72	6.07	2.82	5.73	3.01	03
	5.75	3.75	4.62	2.82	5.33	4.26	4.19	3.56	4.52	3.92	4.97		
04	5.68	4.58	5.16	3.41	6.69	4.43	6.22	2.81	6.35	3.02	3.58	5.60	04
	5.64	3.67	4.36	2.80	5.61	4.83	4.71	3.90	5.17	4.12	2.99	5.15	
05	5.49	4.38	4.77	3.26	7.41	4.88	6.38	2.88	6.11	3.04	3.56	5.57	05
	5.45		4.30		6.30	5.24	4.78	3.89	5.32		3.17	5.46	
06	5.60	5.30	3.05	4.83	7.44	4.78	6.58	2.94	4.04	5.98	3.61	5.58	06
	4.05	5.20	2.89	4.27	6.37	5.31	5.19	4.25	2.42	5.32	3.48	5.67	
07	3.54	5.11	3.04	5.06	7.39	4.62	6.80	3.00	3.73	5.54	3.75	5.55	07
	3.81	5.42	2.82	4.48	6.27		5.31		2.28	4.75	3.64	5.91	
08	3.61	5.37	3.37	5.28	5.33	7.54	4.14	6.70	3.26	5.42	3.41	5.54	08
	3.71	5.49	3.00	4.85	4.78	6.37	2.86	5.26	2.43	4.85	3.74	6.22	
09	3.74	5.51	3.72	5.63	5.37	7.56	4.00	6.74	3.24	5.33	3.76	5.42	09
	3.89	5.67	3.16	5.17	4.78	6.41	2.93	5.33	2.74	4.94	3.80	6.26	
10	4.15	5.71	3.90	5.67	5.49	7.63	3.88	6.54	3.32	5.18	3.79	5.45	10
	4.01	5.66	3.26	4.94	4.82	6.71	2.77	5.37	2.95	5.34	4.07	6.38	
11	4.25	5.83	3.89	5.55	5.76	7.93	3.75	6.22	3.42	5.09	3.67	5.37	11
	4.07	5.94	2.97	4.34	5.08	6.90	2.77	5.44	3.17	5.78	4.25		
12	4.52	6.00	3.60	5.35	5.68	7.71	3.64	6.02	3.53	5.07	6.44	3.63	12
	4.02	5.53	2.74	4.91	4.78	6.55	2.97	5.68	3.30		5.47	4.43	
13	4.63	6.21	3.88	5.76	5.21	7.14	3.62	5.85	3.86	3.18	6.45	3.71	13
	3.99	5.69	3.12	5.68	4.41		3.08		4.73	3.41	5.50	4.51	
14	4.56	6.49	4.88	6.45	6.63	5.25	6.09	3.71	5.80	2.91	6.28	3.54	14
	4.08	5.93	3.70	5.87	7.19	4.60	5.83	3.33	4.55	3.63	5.30	4.29	
15	4.60	6.21	4.57	6.73	7.04	5.36	6.29	3.41	5.78	2.79	6.13	3.50	15
	3.68	4.52	3.53		6.38	4.89	5.18	3.08	4.93	3.95	5.58	4.14	
16	4.45	6.22	5.87	4.50	7.14	5.18	5.96	2.86	5.99	2.95	5.90	3.36	16
	3.55		6.41	3.46	6.42	4.79	4.57	3.14	4.90	4.05	5.62		
17	5.49	4.41	5.95	4.37	7.07	4.99	6.13	2.87	5.91	3.09	3.90	5.77	17
	6.13	3.44	5.99	3.28	6.25	5.05	5.04	3.79	4.89	4.04	3.43	5.73	
18	5.55	4.29	5.87	4.14	7.21	4.95	6.54	2.97	5.81	3.19	4.01	5.77	18
	5.73	3.17	5.99	3.63	6.02	5.08	5.15	3.93	5.09		3.67	5.80	
19	5.33	4.04	6.39	4.24	7.39	4.92	6.64	2.91	3.90	5.79	4.88	5.72	19
	5.29	2.96	5.98	4.02	6.03	5.02	5.28	4.03	3.19	5.09	3.71	5.77	
20	5.03	3.70	7.01	4.79	7.21	4.38	6.63	3.12	3.84	5.81	3.91	5.39	20
	5.28	3.12	5.86	3.75	5.07	4.93	5.47		3.20	5.18	3.60	5.49	
21	5.24	3.74	6.20	3.62	7.16	3.88	4.07	6.05	3.84	5.62	3.69	5.30	21
	5.58		5.27	3.70	4.69		2.98	5.35	3.21	5.41	3.70	5.35	
22	3.59	5.63	6.50	3.58	4.53	7.03	3.90	6.51	3.96	5.84	3.61	5.93	22
	3.73	5.63	5.49		3.60	5.73	2.85	5.34	3.29	5.38	3.60	5.56	
23	3.47	5.45	3.96	6.68	4.44	6.99	3.88	6.40	3.78	5.34	3.44	4.87	23
	3.29	5.24	3.64	5.58	3.44	5.69	2.89	5.51	3.29	5.29	3.44	5.34	
24	3.39	5.51	4.11	6.86	4.31	6.65	3.95	6.36	3.67	5.16	3.19	4.64	24
	3.27	5.54	3.64	5.71	3.21	5.57	3.03	5.51	3.28	5.10	3.47	5.38	
25	3.93	6.06	4.39	6.99	4.03	6.20	3.77	6.17	3.52	4.97	3.18	4.73	25
	3.44	5.86	3.82	5.42	3.03	5.29	3.04	5.63	3.38	5.55	3.71	5.67	
26	3.84	5.96	4.47	7.03	3.33	5.94	3.83	6.09	3.81	5.20	3.24	4.84	26
	3.15	5.15	3.79	6.02	3.00	5.40	3.09	5.81	3.64	5.87	3.92	5.92	
27	3.05	6.62	4.69	7.12	3.97	6.00	3.88	6.06	3.53	4.84	3.23	4.98	27
	3.12	4.99	3.95	5.95	2.76		3.52	6.24	3.35	5.80	4.50	6.10	
28	3.71	5.67	4.69	6.86	5.43	3.87	4.03	5.80	3.13	4.44	3.28	5.05	28
	3.13	5.19	3.88	5.92	5.63	2.77	3.44	6.22	3.36	5.48	4.26		
29	3.91	5.79	4.61	6.58	5.51	3.65	3.71	5.26	2.78	4.26	5.78	3.17	29
	2.91		3.56		5.30	3.02	3.33		3.68		5.24	4.11	
30	5.22	3.96	6.00	4.73	5.68	3.49	6.05	3.27	5.53	2.58	5.46	3.26	30
	5.82	2.78	6.53	3.80	4.71	2.84	4.38	3.10	4.23	3.96	5.34	3.96	
31			6.35	4.86			6.05	2.89	5.74	3.01			31
			6.26	3.84			4.24	3.38	4.46	3.96			
MAXIMUM	6.52		7.12		7.93		6.90		6.35		6.45		MAXIMUM
MINIMUM	2.78		2.65		2.76		2.72		2.28		2.94		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 16.8 - 12-10-50  
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE

ZERO OF GAGE: 1948 TO 1957 -2.70 USGS  
1952 -2.67 USGS  
1964 -3.23 USGS  
1964 TO DATE -3.00 USGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

A95500 MIDDLE RIVER AT BORDEN HIGHWAY  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	DATE
01	NR NR	-0.47 0.72 2.24 0.94 3.23	-0.39 0.99 2.36 3.26	-1.02 0.09 2.82 2.39	-0.20 0.00 2.45 2.07	-0.16 -0.23 2.57 2.14	01
02	NR NR	-0.31 0.94 2.40 3.23	-0.35 1.11 2.57 3.24	NR NR	0.27 0.06 1.07 1.95	-0.06 -0.56 2.49 1.43	02
03	NR NR	-0.45 0.82 2.29 3.05	-0.41 0.90 2.59 3.11	NR NR	0.08 -0.27 2.87	-0.16 -0.84 2.27	03
04	NR NR	-0.59 0.81 2.23 3.24	0.26 1.39 3.26 3.18	NR NR	2.12 3.33 1.03 -0.25	1.71 2.72 0.34 -0.56	04
05	NR NR	-0.56 0.80 2.13 2.91	-0.13 0.58 2.60 2.43	NR NR	1.92 2.86 0.54 -0.63	2.09 2.91 0.78 -0.51	05
06	NR NR	-0.65 0.58 2.35 2.59	-0.60 0.08 2.40	NR NR	1.78 2.75 0.50 -0.66	2.08 2.82 0.94 -0.64	06
07	NR NR	-0.74 0.57 2.36 2.66	1.87 2.54 -0.57 -0.22	NR NR	2.05 3.04 0.71 -0.41	1.79 3.17 0.24 0.15	07
08	NR NR	-0.58 -0.03 2.30	1.80 2.25 -0.32 -0.57	NR NR	2.32 3.00 0.40	2.53 2.94 0.97 -0.16	08
09	NR NR	2.10 2.29 -0.59 -0.34	1.65 2.67 -0.04 -0.57	NR NR	-0.19 1.04 2.69 3.33	2.45 2.74 0.65 -0.22	09
10	NR NR	1.90 2.31 -0.47 -0.56	1.80 2.95 0.23 -0.47	NR NR	0.51 1.07 3.21 3.22	2.37 3.07 0.54	10
11	NR NR	1.85 2.78 -0.34 -0.59	1.97 3.02 0.48	NR NR	-0.01 0.58 2.61 2.87	-0.03 0.49 2.62 3.04	11
12	NR NR	1.68 3.00 -0.07	-0.53 0.59 2.00 3.39	NR NR	-0.19 0.49 2.61 2.88	0.04 0.25 2.74 2.54	12
13	NR NR	-0.62 0.27 1.80 3.30	-0.43 0.59 2.09 2.81	NR NR	0.06 0.09 3.10 3.01	-0.01 0.34 2.52 2.91	13
14	NR NR	-0.45 0.54 1.96 3.52	-0.81 0.36 1.57 2.79	-1.25 -0.07 1.43 2.06	0.31 0.89 3.15 2.59	0.21 -0.05 2.53 2.48	14
15	NR NR	-0.24 0.78 2.43 3.26	-0.78 0.39 1.61 2.39	-1.19 -0.08 1.47 2.07	0.15 0.30 2.52 2.15	0.13 -0.11 2.61 2.53	15
16	NR NR	-0.41 0.82 2.30 3.14	-0.98 0.37 1.48 2.65	-1.12 -0.13 1.64 1.81	0.12 0.43 2.71 1.58	0.86 0.16 3.24 2.36	16
17	NR NR	-0.50 0.76 2.04 2.66	-0.87 0.62 1.67 2.35	-1.20 -0.42 1.47 1.3	0.12 -0.07 2.42 1.43	0.44 -0.36 3.00 2.11	17
18	NR NR	-0.74 0.99 2.02 2.74	-0.88 0.48 1.81 1.94	-1.27 -0.64 1.38 0.87	0.04 -0.45 2.38	0.63 -0.26 3.13 2.04	18
19	NR NR	-0.72 0.70 2.17 2.18	-1.07 0.24 1.71 1.57	-1.10 -0.97 1.42 0.35	1.27 2.61 0.37 -0.43	0.87 -0.07 3.30 2.17	19
20	NR NR	-0.92 0.80 1.98 2.41	-1.12 0.09 1.72 0.99	-0.98 -0.97 1.64	1.07 2.87 1.02 -0.71	1.12 -0.52 2.84	20
21	NR NR	-0.46 1.52 2.91 2.33	-1.08 -0.10 1.68 1.14	0.84 2.15 -0.21 -1.07	1.67 2.90 0.70 -0.94	2.13 2.60 0.97 0.21	21
22	NR NR	-0.30 0.10 2.38	-0.72 -0.59 2.02	0.95 2.38 0.10 -1.19	1.45 2.39 0.24 -1.10	2.84 3.27 1.41 -0.04	22
23	NR NR	1.46 1.98 -0.65 -0.41	0.68 2.08 -0.48 -0.89	1.14 2.66 0.29 -1.07	1.41 2.35 0.01 1.00	2.50 2.83 0.88 -0.24	23
24	NR NR	1.15 1.98 -0.57 -0.39	0.63 2.17 -0.33 -1.04	1.40 2.79 0.30 -0.99	1.58 2.61 -0.07	2.40 3.13 0.60 0.12	24
25	NR NR	1.55 2.61 0.00 -0.51	1.16 2.54 0.03 -0.86	1.63 2.77 0.30	-0.64 0.09 2.28 2.42	3.68 4.04 1.67	25
26	NR NR	1.70 2.73 0.14 -0.51	1.40 2.96 0.48	-0.84 0.46 2.95	-0.34 -0.08 2.20 2.40	0.82 0.94 3.38 1.22	26
27	NR NR	1.88 2.95 0.41	-0.72 0.73 1.92 3.50	-0.78 3.34 1.62 3.00	-0.48 -0.39 2.10 2.23	0.42 0.70 3.48 3.04	27
28	NR NR	-0.51 0.84 2.05 3.03	-0.09 1.07 2.54 3.25	-0.81 -0.29 1.84 2.65	-0.50 -0.41 2.23 2.11	0.45 0.02 3.37 2.39	28
29	NR NR	-0.50 0.60 1.84 3.19	-0.12 0.09 2.33 3.03	-0.83 -0.22 1.84 2.39		0.33 -0.06 3.18 2.46	29
30	NR NR	-0.48 0.85 2.26 3.35	-0.67 0.46 1.94 3.18	-0.81 -0.21 2.01 2.26		0.47 -0.16 3.15 2.39	30
31	-0.40 0.48 2.17 2.97		-0.15 0.04 1.92 2.34	-0.70 -0.60 2.05 2.38		0.85 0.42 3.71 2.69	31
MAXIMUM	NR	1.52	3.50	NR	3.33	4.04	MAXIMUM
MINIMUM	NR	-0.92	-1.12	NR	-1.10	-0.84	MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 53 28, LONG. 121 29 20, NW SEC. 36, T1N, R4E,  
VICTORIA ISLAND BELOW STATE HWY 4 BRIDGE, 10 MILES  
NW OF TRACT.

PERIOD OF RECORD: JULY 1959 TO DATE

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TABLE B-12 (CONTINUED)  
DAILY TIDES  
895500 MIDDLE RIVER AT BORDEN HIGHWAY  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.94 -0.58	2.94 2.01	0.73 -0.92	2.41	3.04 2.51	1.15 -0.01	2.55 1.24	-0.20 -0.52	-0.68 0.54	1.18	2.71 1.59	-0.83 0.42	01
02	0.58 -0.79	2.45	2.14 1.84	0.58 -1.13	3.11 2.14	0.74 -0.16	2.67 1.06	-0.54 -0.17	2.91 1.32	-0.82 0.72	2.60 1.89	-0.82 0.28	02
03	1.93 2.34	0.69 -0.70	1.92 1.52	0.22 -0.82	2.98 1.78	0.14 0.06	2.78 1.20	-0.73 0.38	2.95 1.48	-0.87 0.80	2.67 1.84	-0.73 0.08	03
04	2.22 2.26	0.86 -0.59	2.16 1.22	0.67 -1.11	3.16 1.97	-0.01 0.70	3.01 1.49	-0.79 0.68	3.25 2.02	-0.53 0.85	2.61 2.03	-0.62 0.00	04
05	2.29 2.12	0.75 -0.58	1.69 1.14	0.45 -0.90	3.85 2.63	0.38 1.10	3.15 1.60	-0.87 0.66	3.15 2.20	-0.53 0.71	2.61 2.32	-0.37	05
06	2.07 1.95	0.30 -0.60	1.71 1.25	-0.72 -0.59	3.90 2.75	0.31 1.16	3.34 1.94	-0.76 0.97	3.11 2.16	-0.57 0.34	0.00 -0.11	2.60 2.54	06
07	1.96 2.12	0.05 -0.47	1.97 1.53	-0.80 -0.32	3.81 2.60	-0.11 1.14	3.57 2.11	-0.59 0.80	2.74 1.74	-0.92	0.67 0.03	2.51 2.72	07
08	2.16 2.18	-0.17 -0.32	2.18 1.81	-0.79 0.07	3.96 2.66	-0.09 1.15	3.52 2.09	-0.74 0.71	-0.20 -0.92	2.52 1.83	0.67 0.21	2.43 3.05	08
09	2.22 2.28	-0.30 -0.91	2.50 1.97	-0.69 0.21	3.94 2.66	-0.25 1.19	3.57 2.18	-0.61	-0.22 -0.75	2.43 2.82	-0.65 0.17	2.20 3.07	09
10	2.39 2.22	-0.34	2.53 1.73	-0.77 0.22	4.06 2.98	-0.12	0.54 -0.66	-3.39 2.22	-0.55	2.28 2.32	0.06 0.54	2.24 3.20	10
11	0.12 -0.34	2.49 2.43	2.45 1.32	1.00 0.05	1.50 0.31	4.35 3.21	0.45 -0.71	3.12 2.31	0.00 -0.13	2.23 2.78	-0.67 0.85	2.43 3.26	11
12	0.43 -0.44	2.67 2.11	2.34 1.82	-1.11	1.50 -0.13	4.14 2.89	0.17 -0.72	2.99 2.49	0.10 0.02	2.06 2.87	-0.66 1.04	2.19 3.26	12
13	0.44 -0.40	2.86 2.26	0.45 -0.78	2.60 2.46	1.03 -0.33	3.62 3.09	0.15 -0.50	2.95 2.88	-0.10 0.11	1.89 2.82	-0.13 1.09	2.19	13
14	0.86 -0.24	3.10 2.48	1.31 -0.26	3.28 2.50	1.36 0.09	3.69 3.46	-0.36 -0.21	2.66 3.14	-0.31 0.43	1.04	3.66 2.10	-0.24 0.83	14
15	0.84 -0.70	2.98 2.12	1.00 -0.56	3.38 2.49	1.23 0.16	3.36 3.49	0.01 -0.49	2.02 2.85	2.84 1.84	-0.47 0.74	2.83 2.22	-0.39 0.57	15
16	0.82 -0.73	2.88 2.12	0.97 -0.64	3.66 2.55	0.73 -0.11	2.73	-0.46 -0.31	1.57	2.99 1.80	-0.48 0.74	2.69 2.26	-0.41 0.28	16
17	0.91 -0.05	2.81	0.81 -0.87	2.63	3.47 2.47	0.36 0.33	2.97 1.84	-0.54 0.43	2.89 1.87	-0.60 0.71	2.57 2.36	-0.31 0.24	17
18	2.23 2.44	0.85 -0.98	2.44 2.57	0.50 -0.40	3.55 2.17	-0.01 0.36	3.39 1.95	-0.54 0.62	2.75 1.87	-0.70 0.37	2.56 2.47	-0.68 0.28	18
19	2.00 2.06	0.52 -1.19	2.99 2.54	0.44 0.05	3.74 2.20	-0.08 0.32	3.47 2.08	-0.62 0.69	2.62 1.83	-0.73 0.25	2.52 2.45	-0.66	19
20	1.83 1.95	0.11 -1.01	3.52 2.35	0.45 -0.62	3.55 2.26	-0.50 0.74	3.44 2.17	-0.60 0.74	2.47 1.93	-0.72 0.21	0.63 -0.25	2.19 2.19	20
21	2.02 2.27	0.00 -0.52	2.72 1.93	-0.43 -0.21	3.68 2.25	-0.49 0.73	3.44 2.16	-0.62 0.58	2.50 2.18	-0.50	-0.21 -0.09	2.10 2.18	21
22	2.44 2.39	-0.02 -0.48	3.10 2.12	-0.50 0.11	3.62 2.35	0.83	3.37 2.16	-0.65 0.54	0.38 -0.43	2.91 2.12	-0.31 -0.11	1.84 2.27	22
23	2.34 2.08	-0.59 -0.43	3.31 2.22	-0.45 0.33	3.66 2.40	-0.55	3.21 2.24	-0.57	0.12 -0.44	2.28 2.08	-0.53 -0.28	1.59 2.09	23
24	2.46 2.33	-0.62 0.24	3.45 2.30	-0.54 0.63	0.84 -0.59	3.37 2.21	0.53 -0.56	3.21 2.26	0.00 -0.47	2.06 1.97	-0.82 -0.14	1.40 2.16	24
25	2.98 2.36	-0.42 0.18	3.57 2.35	-0.54	0.51 -1.06	2.95 2.00	0.44 -0.66	2.98 2.35	-0.14 -0.24	1.88 2.37	-0.79 0.25	1.46 2.44	25
26	2.81 1.99	-0.79	0.67 -0.49	3.40 2.58	0.41 -1.04	2.73 2.12	0.39 -0.47	2.86 2.56	0.11 0.23	2.10 2.72	-0.56 0.66	1.68 2.69	26
27	0.67 -0.85	2.87 1.86	0.99 -0.43	3.70 2.53	0.51 -1.01	2.74 2.19	0.46 -0.84	2.77 2.96	0.00 -0.07	1.66 2.47	-0.40 1.14	1.78 2.83	27
28	0.22 -0.94	2.58 1.96	0.98 -0.44	3.45 2.47	0.42 -1.08	2.37 2.26	0.61 -0.04	2.58 3.00	-0.41 0.00	1.28 2.38	-0.43 0.90	1.85 2.56	28
29	0.45 -0.99	2.66 2.06	0.94 -0.82	3.15 2.50	0.23 -0.82	2.10 2.39	0.38 -0.17	2.05 2.80	-0.75 0.38	1.13 2.40	-0.59 0.67	1.95	29
30	0.98 -0.95	2.67 2.10	1.08 -0.51	3.10 2.93	0.11 -0.66	1.60	-0.04 -0.21	1.48 2.77	-0.88 0.69	1.16	2.64 2.09	-0.45 0.50	30
31			1.30 -0.30	2.86			-0.43 0.11	1.23 2.46	2.61 1.34	-0.87 0.73			31
MAXIMUM	3.10		3.70		4.35		3.57		3.25		3.26		MAXIMUM
MINIMUM	-1.19		-1.13		-1.06		-0.87		-0.92		-0.83		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 7.2 - 12-26-65

ZERO OF GAGE: 1939 TO 1943 -4.10 USGS  
1943 0.00 USGS  
1964 -0.39 USGS  
1964 TO DATE 0.00 USGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

895460 MIDDLE RIVER AT BACON ISLAND  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.51	2.97	2.43	5.24	2.49	5.35	1.05	5.06	3.10	6.26	2.98	6.27	01
	6.03		3.65	6.50	3.99	6.79	3.04	5.71	3.18	5.58	2.90	5.57	
02	3.01	5.61	2.55	5.35	2.55	5.58	2.07	5.29	3.48	6.67	3.09	6.18	02
	3.45	6.38	3.90	6.52	4.12	6.69	2.87	5.16	3.20	5.27	2.56	4.94	
03	3.03	5.67	2.43	5.24	2.60	5.71	1.90	5.22	3.24	6.48	2.91	5.93	03
	3.52	6.29	3.79	6.33	4.08	6.51	2.49	4.59	2.89		2.28	4.87	
04	2.78	5.48	2.29	5.18	3.14	6.23	1.93	5.57	5.31	4.21	3.52	6.24	04
	3.57	6.38	3.77	6.21	4.35	6.46	2.40	4.31	6.87	2.89	2.59		
05	2.74	5.36	2.32	5.31	2.77	5.85	2.19	5.58	5.07	3.71	5.24	3.95	05
	3.72	6.42	3.78	6.00	3.57	5.41	2.15		6.34	2.46	6.35	2.63	
06	2.61	5.22	2.23	5.32	2.30	5.67	4.19	2.64	4.90	3.66	5.39	4.19	06
	3.83	6.31	3.57	5.56	3.04	4.85	6.16	2.49	6.17	2.42	6.30	2.53	
07	2.45	5.27	2.16	5.60	2.35	5.85	4.77	3.31	5.18	3.86	5.30	4.07	07
	4.14	6.56	3.57	5.61	2.74		6.34	2.41	6.43	2.63	6.71	3.31	
08	2.72	5.46	2.32	5.52	4.78	2.63	5.11	4.02	5.41	3.91	5.91	4.13	08
	4.19	6.31	2.92		5.76	2.36	6.90	2.90	6.49	2.87	6.35	2.95	
09	2.52	5.52	5.11	2.33	4.61	2.92	5.25	3.62	6.01	4.15	5.67	3.76	09
	3.97	6.15	5.60	2.60	6.04	2.35	6.26	2.13	6.80	3.61	6.23	2.87	
10	2.48	5.55	4.91	2.47	4.83	3.24	4.88	3.44	6.30	4.15	5.88	3.65	10
	3.55		5.69	2.35	6.29	2.40	6.15		6.62		6.20	3.05	
11	5.97	2.51	4.86	2.63	4.94	3.46	2.02	4.74	3.05	5.73	5.95	3.56	11
	5.59	3.12	5.82	2.29	6.35	2.33	3.31	6.07	3.68	6.25	6.16	3.12	
12	5.69	2.39	4.90	2.69	4.98	3.59	1.99	4.69	2.89	5.74	5.86	3.33	12
	5.58	2.78	6.06	2.29	6.42		3.06	5.60	3.62	6.27	5.90		
13	5.57	2.62	5.06	3.24	2.43	5.05	1.68	4.49	3.21	6.30	3.07	5.94	13
	5.79	2.65	6.34		3.56	6.18	2.92	5.55	4.01	6.27	3.41	6.06	
14	5.52	2.77	2.43	5.20	2.06	4.81	1.81	4.72	3.40	6.27	3.28	5.89	14
	5.97	2.57	3.51	6.54	3.38	6.06	3.06	5.45	3.85	5.79	3.01	5.58	
15	5.41	2.85	2.64	5.42	2.06	4.83	1.89	4.87	3.20	5.91	3.23	5.97	15
	5.97		3.76	6.56	3.40	5.83	3.05	5.35	3.36	5.33	2.92	5.61	
16	2.38	5.29	2.49	5.29	1.91	4.76	1.95	5.02	3.20	6.09	3.92	6.54	16
	3.04	6.17	3.83	6.40	3.38	5.65	2.98	4.90	3.40	4.72	3.17	5.38	
17	2.41	5.30	2.40	5.23	1.99	4.99	1.89	4.90	3.11	5.78	3.51	6.05	17
	3.23	6.24	3.76	6.03	3.55	5.61	2.70	4.43	3.01	4.45	2.69	5.14	
18	2.35	5.26	2.18	5.28	2.03	5.13	1.85	4.89	3.15	5.74	3.73	6.18	18
	3.47	6.32	3.99	5.93	3.58	5.13	4.14		2.64	4.28	2.76	5.04	
19	2.52	5.51	2.21	5.15	1.86	5.04	2.06	4.98	3.50	6.04	3.96	6.31	19
	3.90	6.44	3.73	5.34	3.26	4.62	2.16	3.66	2.65		2.98	5.24	
20	2.71	5.56	2.02	5.20	1.83	4.99	2.26	5.22	4.86	4.08	4.23	6.09	20
	4.13	6.28	3.82	5.38	2.92	4.11	2.16		6.22	2.32	2.53		
21	2.52	5.29	2.57	6.36	1.91	5.20	3.94	2.95	4.65	3.77	5.14	4.11	21
	3.96	5.77	4.59	5.31	2.94	4.12	5.63	2.05	6.06	2.06	5.95	3.31	
22	2.32	5.43	2.69	5.63	2.26	5.40	4.09	3.25	4.48	3.36	6.16	4.55	22
	4.13	6.40	3.11	4.44	2.36	3.83	5.83	1.88	5.86	1.93	6.52	3.00	
23	2.54	5.42	2.36	5.33	2.52	5.42	4.25	3.42	4.75	3.11	5.84	3.96	23
	3.73	5.24	2.59		2.02		6.09	1.99	5.93	2.04	6.29	2.78	
24	2.33	5.38	4.27	2.44	3.82	2.71	4.54	3.47	4.99	3.01	5.90	3.64	24
	3.36		5.41	2.60	5.57	1.89	6.26	2.07	6.10	2.36	6.43	3.16	
25	5.19	2.59	4.82	3.02	4.16	3.06	4.78	3.48	5.42	3.14	6.77	4.75	25
	5.55	3.27	5.89	2.43	6.00	2.06	6.41	2.23	6.23		7.30	3.76	
26	5.37	2.90	4.69	3.15	4.63	3.49	5.03	3.58	2.68	5.65	6.39	3.77	26
	5.82	3.16	6.06	2.42	6.39	2.22	6.57		2.97	5.95	6.43	3.46	
27	5.38	3.03	4.89	3.41	4.98	3.89	2.27	4.97	2.56	5.63	6.60	3.55	27
	5.94	3.02	6.28	2.38	7.05	2.89	3.28	6.43	2.69	5.64	6.30		
28	5.76	3.85	5.07	3.64	5.53	3.95	2.24	5.05	2.61	5.89	3.41	6.47	28
	6.91	3.59	6.50		6.69		2.97	6.19	2.69	4.51	2.99	5.66	
29	5.59	3.38	2.41	5.11	2.66	5.28	2.26	5.21			3.36	6.67	29
	6.28	2.75	3.61	6.49	3.62	6.54	2.87	5.81			2.93	5.76	
30	5.32	3.37	2.41	5.25	2.20	5.06	2.28	5.50			3.57	6.71	30
	6.21		3.86	6.71	3.42	6.47	2.90	5.69			2.49	5.88	
31	2.50	5.18			2.49	4.84	2.44	5.64			3.95	6.95	31
	3.46	6.32			2.91	5.69	2.84	5.91			3.25	5.70	
MAXIMUM	6.91		6.71		7.05		6.90		6.87		7.30		MAXIMUM
MINIMUM	2.32		2.02		1.83		1.66		1.93		2.28		MINIMUM

LOCATION: LAT. 38 00 07, LONG. 121 31 22, SW SEC. 22, T24N, R4E,  
AT NE CORNER OF BACON ISLAND AT JUNCTION OF MIDDLE  
RIVER AND CONNECTION SLOUGHPERIOD OF RECORD: OCT 1948 TO SEPT 1966  
MAR 1968 TO DATE

TABLE B-12 (CONTINUED)

## DAILY TIDES

895400 MIDDLE RIVER AT BACON ISLAND  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.03	6.30	3.94	5.86	4.32	5.55	2.99	4.38	2.52	4.56	6.32	2.37	01
	2.45	5.13	2.26	5.36	3.07		2.69	5.89	3.69	6.34	5.01	3.53	
02	3.74	5.75	3.74	5.28	6.28	3.87	2.69	4.19	2.38	4.74	6.23	2.29	02
	2.32		2.06		5.16	3.01	3.04		3.89		5.13	3.43	
03	5.11	3.86	5.40	3.41	6.15	3.26	6.00	2.47	6.48	2.31	6.33	2.39	03
	5.05	2.44	4.92	2.36	4.79	3.17	4.37	3.51	4.99	4.01	5.32	3.23	
04	5.38	4.05	5.67	3.28	6.32	3.08	6.28	2.39	6.80	2.64	6.30	2.51	04
	5.59	2.57	4.55	2.08	5.02	3.85	4.63	3.80	5.45	4.07	5.53	3.15	
05	5.63	3.92	5.35	2.73	7.01	3.46	6.43	2.27	6.91	2.64	6.31	2.74	05
	5.49	2.57	4.37	2.29	5.66	4.25	4.77	3.80	5.51	3.89	5.83	3.15	
06	5.55	3.47	5.27	2.44	7.08	3.37	6.65	2.37	6.85	2.61	6.27	3.01	06
	5.43	2.55	4.51	2.60	5.79	4.31	5.11	4.12	5.47	3.95	6.17		
07	5.56	3.22	5.56	2.34	6.96	2.95	6.83	2.54	6.50	2.21	6.22	6.17	07
	5.46	2.69	4.77	2.86	5.08	4.29	5.29	3.99	5.16	2.98	3.16	6.42	
08	5.68	2.99	5.79	2.36	7.14	2.89	6.80	2.41	6.16	2.21	6.23	6.07	08
	5.43	2.82	5.03	3.26	5.70	4.28	5.29	3.89	5.38		3.36	6.61	
09	5.71	2.82	6.12	2.45	7.07	2.77	6.85	2.52	2.98	6.08	3.68	5.71	09
	5.45	3.12	5.16	3.38	5.72	4.32	5.42	3.73	2.43	5.72	3.30	6.67	
10	5.88	2.73	6.18	2.34	7.18	2.93	6.68	2.47	3.03	5.97	3.19	5.72	10
	5.53	3.22	5.14	3.38	6.05	4.63	5.46		2.64	6.04	3.67	6.76	
11	5.98	2.72	6.11	2.30	7.49	3.34	3.64	6.47	3.18	5.93	3.07	5.60	11
	5.58	3.54	4.89	3.25	6.27		2.44	5.57	3.05	6.44	3.96	6.79	
12	6.21	2.58	6.08	1.99	4.64	7.25	3.48	6.14	3.29	5.60	3.09	5.59	12
	5.42	3.54	5.06	3.63	2.89	5.97	2.44	5.76	3.21	6.55	4.17	6.75	
13	6.32	2.65	6.36	2.30	4.24	6.73	3.35	5.91	3.09	5.27	3.00	5.67	13
	5.60		5.66		2.73	6.22	2.57	6.15	3.28	6.52	4.21	6.56	
14	3.96	6.64	4.42	6.89	4.57	6.81	3.54	5.89	2.88	5.14	2.87	5.41	14
	2.81	5.60	2.83	5.65	3.15	6.58	2.99	6.44	3.55	6.46	3.93		
15	3.95	6.33	4.17	6.51	4.43	6.44	3.20	5.23	2.73		4.16	2.74	15
	2.30	5.23	2.50	5.63	3.23	6.56	2.69	6.18	3.82	5.21	5.56	3.72	
16	3.94	6.26	4.11	6.29	3.83	5.79	2.71	4.78	6.68	2.69	6.17	2.72	16
	2.32	5.22	2.42	5.70	2.97	6.54	2.86	6.38	5.32	3.49	5.44	3.43	
17	4.06	6.16	3.95	5.91	3.44	5.53	2.62	5.05	6.56	2.54	6.05	2.80	17
	2.41	5.34	2.18	5.60	3.45		3.62		5.48	3.80	5.68	3.38	
18	4.01	6.75	3.65	5.67	6.72	3.04	6.69	2.62	6.45	2.45	6.08	3.04	18
	2.12		2.70		5.20	3.45	5.15	3.80	5.30	3.54	5.84	3.45	
19	5.13	3.67	6.11	3.56	6.89	2.98	6.72	2.53	6.29	2.41	6.03	3.04	19
	5.46	1.87	5.63	3.20	5.23	3.41	5.27	3.88	5.28	3.42	5.84	3.16	
20	5.13	3.23	6.46	3.66	6.74	2.56	6.72	2.54	6.11	2.40	5.69	2.87	20
	5.30	2.07	5.19	2.39	5.32	3.87	5.38	3.91	5.39	3.38	5.67	2.91	
21	5.48	3.12	5.98	2.54	6.91	2.57	6.68	2.52	6.15	2.84	5.43	3.03	21
	5.59	2.59	5.04	2.92	5.37	3.87	5.37	3.77	5.65	3.54	5.78		
22	5.94	3.12	6.35	2.45	6.85	2.51	6.64	2.49	6.16	2.72	2.82	5.41	22
	5.64	2.64	5.24	3.22	5.49	3.97	5.41	3.71	5.00	3.30	3.82	5.72	
23	5.93	2.55	6.55	2.60	6.92	2.56	6.59	2.57	5.89	2.71	2.59	5.03	23
	5.34	2.72	5.36	3.45	5.57	4.02	5.49	3.73	5.63		2.46	5.58	
24	6.09	2.50	6.69	2.50	6.68	2.52	6.51	2.59	3.15	5.67	2.31	4.83	24
	5.74	3.41	5.44	3.75	5.38		5.52		2.68	5.62	2.99	5.64	
25	6.59	2.71	6.84	2.47	3.68	6.26	3.62	5.23	3.03	5.50	2.33	4.84	25
	5.62	3.12	5.46	3.78	2.02	5.18	2.50	5.01	2.94	4.87	3.35	5.90	
26	6.38	2.29	6.75	2.54	3.58	6.02	3.64	6.11	3.30	5.60	2.53	5.06	26
	5.25	3.24	5.72		2.06	5.32	2.69	5.43	3.39	4.20	3.73	6.12	
27	6.39	2.24	4.11	6.83	3.49	5.91	3.70	5.99	3.17	5.88	2.49	5.18	27
	5.20		2.54	5.64	2.10	5.39	3.11	6.18	3.10	4.97	4.11	6.21	
28	3.38	6.26	4.64	6.53	3.61	5.53	3.84	5.77	2.77	4.65	2.65	5.22	28
	2.13	5.20	2.49	5.56	2.08	5.47	3.14	6.23	3.16	5.49	3.97	6.04	
29	3.63	6.23	4.07	6.24	3.56	5.24	3.56	5.24	2.44	4.48	2.48	5.28	29
	2.13	5.30	2.21	5.70	2.34	5.58	3.05	6.08	3.43	5.94	3.77	6.14	
30	3.87	6.14	4.33	6.19	3.31	4.71	3.16	4.66	2.30	4.62	2.61	5.44	30
	2.19	5.35	2.53	6.07	2.49	5.77	2.98	6.01	3.16	6.19	3.60		
31			4.48	5.93			2.78	4.39	2.28	4.88			31
			2.79	6.17			3.27	6.14	3.92				
MAXIMUM	6.64		6.89		7.49		6.85		6.91		6.79		MAXIMUM
MINIMUM	1.87		1.99		2.02		2.27		2.21		2.29		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.2 - 12-26-55

ZERO OF GAGE: 1948 -2.94 USCGS  
1964 -3.65 USCGS  
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

## DAILY TIDES

895380 OLD RIVER NEAR TRACY ROAD BRIDGE  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.56 2.80	5.41 5.27	2.83 3.91	5.65 6.49	2.97 4.08	5.71 5.91	NR	NR	2.87 3.05	4.93	2.92 2.83	4.93 4.75	01
02	2.85 3.28	5.57 6.32	3.10 4.09	5.82 6.31	3.02 3.60	5.91 6.19	NR	NR	4.85 5.72	3.28 3.17	2.98 2.54	4.83	02
03	2.93 3.31	5.62 5.40	2.97 3.98	5.69 6.06	2.98 3.86	5.81 6.22	2.30 2.67	4.75 4.27	5.17 5.55	3.13 2.88	3.84 4.82	2.75 2.29	03
04	2.65 3.33	5.41 5.70	2.85 3.98	5.64 6.62	3.55 4.51	6.62 6.28	2.19 2.69	4.72	5.27 6.10	3.92 2.87	4.83 5.41	3.28 2.56	04
05	2.62 3.50	5.33 5.76	2.90 3.95	5.04 5.87	3.25 3.77	5.67 5.81	4.05 4.66	2.42	5.09 5.63	3.53	5.21 5.60	3.68 2.61	05
06	2.49 3.55	5.18 5.69	2.79 3.76	5.74 5.96	2.79 3.34	5.85	3.70 5.44	2.73 2.80	2.62 3.55	4.99 5.67	4.82 5.45	3.95 2.46	06
07	2.30 3.82	5.22 6.00	2.63 3.71	5.36	5.27 5.48	2.79 3.10	4.94 5.61	3.27	2.70 3.81	5.30 5.91	4.29 5.92	3.70	07
08	2.57 3.89	5.44	6.02 5.38	2.75 3.17	5.21 4.99	3.00 2.80	2.57 3.94	4.63 6.25	2.97 3.93	5.59 5.78	3.26 3.95	5.21 5.78	08
09	6.27 5.46	2.40 3.68	5.47 5.29	2.68 2.90	5.04 5.62	3.22	3.14 3.65	4.89 5.78	3.16 3.17	5.47 6.22	3.05 3.71	5.28 5.44	09
10	6.09 5.09	2.34 3.30	5.27 5.59	2.81	2.83 3.42	4.84 5.99	2.34 3.34	4.38 5.60	3.72 4.15	6.47 6.10	2.98 3.62	5.08 6.30	10
11	5.86 5.51	2.40 2.93	2.74 2.88	5.22 6.15	2.95 3.68	5.36 6.06	2.27 3.27	4.28 5.36	3.21 3.75	5.86 5.72	3.20 3.63	5.35 6.29	11
12	5.07 5.40	2.23	2.74 3.10	4.95 6.10	2.92 3.78	5.39 6.75	2.24 2.98	4.69 4.59	3.69 3.69	5.87 5.81	3.27 3.40	5.97 5.29	12
13	2.60 2.46	5.41 5.63	2.71 3.41	5.04 6.66	3.01 3.71	5.49 5.42	1.88 2.84	4.03 5.10	2.34 4.04	6.33 5.97	3.20 3.56	5.31 6.17	13
14	2.52 2.58	5.16 5.19	2.92 3.64	4.96 6.88	NR	NR	1.97 2.91	4.67 4.90	3.60 4.19	6.44 5.69	3.43 3.20	5.42 5.73	14
15	2.46 2.65	4.86 5.81	3.15 3.86	5.73 6.30	NR	NR	1.97 2.95	4.34 4.92	3.55 3.62	5.26 5.18	3.36 3.23	5.51 5.87	15
16	2.28 2.80	4.72 6.00	2.93 3.89	5.43 6.14	NR	NR	2.10 2.94	4.68 4.62	3.48 3.81	5.60 4.60	4.01 3.51	6.30 5.69	16
17	2.31 2.98	4.58 5.51	2.85 3.82	5.01 5.55	NR	NR	2.01 2.67	4.42 3.25	3.46 3.25	5.27 4.47	3.66 3.64	6.30 5.44	17
18	2.28 3.23	4.92 6.29	2.60 4.04	5.40 5.81	NR	NR	1.89 2.44	3.95 3.67	3.27 2.85	5.29	3.81 3.11	6.44	18
19	2.44 3.65	5.17 6.18	2.62 3.75	5.30 5.24	NR	NR	2.00 2.15	3.93	4.52 5.42	3.49 2.86	5.37 6.59	3.99 3.21	19
20	2.60 3.86	5.55 6.32	2.40 3.83	4.98 5.72	NR	NR	2.95 4.57	2.12 2.14	4.57 5.74	4.07 2.72	5.16 5.84	4.18 2.84	20
21	2.41 3.69	4.54 5.60	2.79 4.54	5.90	NR	NR	3.89 5.00	2.71 2.82	4.96 5.76	3.87	5.38 5.63	4.65 3.44	21
22	2.15 3.08	5.11	5.64 5.46	2.90 3.25	NR	NR	4.08 5.26	3.04 2.02	2.56 3.41	4.71 5.13	5.70 6.22	4.49 3.30	22
23	5.89 4.88	2.43 3.55	4.79 4.82	2.53 2.76	NR	NR	4.29 5.56	3.28	2.32 3.16	4.15 4.85	5.31 5.53	4.04	23
24	5.42 4.90	2.30 3.24	4.20 4.78	2.57 2.78	NR	NR	2.16 3.37	4.61 5.68	2.38 3.10	4.39 5.45	3.16 3.82	5.45 6.13	24
25	5.38 5.27	2.59 3.22	4.43 5.66	3.11	NR	NR	2.27 3.38	4.85 5.51	2.69 3.27	5.57	3.46 4.83	6.97 7.15	25
26	5.56 5.27	2.99	2.76 3.28	5.05 5.76	NR	NR	2.44 3.49	4.75 5.55	2.95 3.14	4.90 5.53	4.23 4.37	6.75 6.24	26
27	3.20 3.00	5.63 5.48	2.70 3.53	5.23 5.88	NR	NR	2.44 3.49	4.34 5.80	2.88 2.81	4.68 4.95	3.75 4.12	6.83 6.03	27
28	3.09 3.86	5.98 6.74	2.83 3.74	5.08 5.89	NR	NR	2.42 2.81	4.96 5.35	2.68 2.75	4.76 4.82	3.80 3.44	6.73 5.51	28
29	3.69 3.55	5.84 6.31	2.85 3.69	4.81 6.25	NR	NR	2.35 2.87	4.61 5.19			3.61 3.30	6.20 5.45	29
30	2.98 3.57	5.61 5.75	2.89 3.91	5.33 6.38	NR	NR	2.41 2.90	4.74 5.06			3.67 3.20	5.81 5.14	30
31	2.89 3.59	5.56 5.98			NR	NR	2.49 2.52	4.58 5.11			4.00 3.78	6.58 5.99	31
MAXIMUM	6.74		6.88		NR		NR		4.47		7.15		MAXIMUM
MINIMUM	2.15		2.40		NR		NR		2.32		2.29		MINIMUM

NR = NO RECORD

LOCATION: LAT. 37 48 18, LONG. 121 26 55, SE SEC. 32, T15, R5E,  
EIGHTY FEET ABOVE TRACY ROAD BRIDGE, 3.5 MILES NORTHWEST  
OF TRACY.PERIOD OF RECORD: JUN 1951 TO DEC 1954  
FEB 1955 TO DATE

TABLE 6-12 (CONTINUED)  
DAILY TIDES  
#95380 OLD RIVER NEAR TRACY ROAD BRIDGE  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.16 2.80	5.88	5.16 5.17	3.56 2.13	6.99 5.74	4.16 3.14	5.52 4.29	2.71 2.34	5.70 3.96	2.15 3.30	4.79 3.98	1.94 3.04	01
02	5.23 5.33	3.63 2.47	5.16 4.72	3.33 1.82	6.32 5.33	3.86 3.06	5.52 4.06	2.41 2.05	5.65 3.94	2.61 3.40	4.77 4.14	1.92 2.91	02
03	4.76 5.28	3.66 2.46	4.31 4.22	3.01 2.09	6.10 5.03	3.31 3.21	5.61 4.21	2.21 3.15	5.58 3.97	2.00 3.43	4.80 4.29	2.02 3.02	03
04	5.36 5.25	3.78 2.52	4.61 3.88	2.94 1.67	6.30 5.25	3.22 3.02	5.96 4.53	2.11 3.44	5.88 4.72	2.32 3.71	2.74 2.11	4.74 4.44	04
05	4.69 5.16	3.67 2.50	4.04 4.18	2.50 2.13	7.11 5.93	3.66 4.26	6.07 4.67	2.08 3.43	5.44 4.82	2.33 3.43	2.68 2.35	4.73 4.74	05
06	4.62 4.50	3.29 2.47	4.08 4.11	2.27 2.43	7.09 5.99	3.58 4.27	6.37 5.02	2.21 3.78	3.48 2.38	5.37 5.06	2.72 2.80	4.65 4.67	06
07	4.28 5.14	3.05	4.33 4.36	2.21 2.70	7.10 5.87	3.20	6.59 5.15	2.39	3.15 1.98	5.06 4.39	2.83 2.77	4.70 4.86	07
08	2.62 2.87	4.67 5.63	4.58 4.59	2.26	4.27 3.36	7.25 5.94	3.68 2.26	6.53 5.11	2.61 1.94	5.07 4.37	2.86 2.89	4.73 5.42	08
09	2.78 2.83	4.78 5.49	3.06 2.38	4.93 5.06	4.17 3.18	7.24 5.95	3.54 2.36	6.57 5.23	2.61 2.13	4.91 4.34	2.73 2.88	4.63 5.46	09
10	3.12 2.94	5.02 5.22	3.17 2.32	4.94 4.45	4.34 3.32	7.35 6.28	3.39 2.33	6.41 5.25	2.69 2.31	4.58 4.84	2.81 3.26	4.71 5.56	10
11	3.28 2.89	5.22 5.48	3.13 2.13	4.80 3.70	4.58 3.69	7.68 6.51	3.30 2.24	6.13 5.28	2.83 2.68	4.59 3.49	2.69 3.49	4.63	11
12	3.54 2.81	5.49 5.14	3.00 1.96	4.67 4.60	4.55 3.29	7.43 6.18	3.09 2.26	5.86 5.45	5.19 4.58	2.94 2.83	5.62 4.73	2.72 3.67	12
13	3.51 2.84	5.64 5.22	3.31 2.31	5.25 5.42	4.11 3.00	6.89	3.05 2.38	5.66	5.29 4.51	2.75 2.90	5.76 4.91	2.67 3.75	13
14	3.82 2.99	6.35 5.71	4.12 2.83	5.92 5.66	6.35 6.95	4.34 3.35	5.84 5.67	3.22 2.71	5.12 4.05	2.52 3.19	5.42 4.36	2.58 3.55	14
15	3.85 2.58	5.75 5.34	3.95 2.60	6.38	6.72 6.88	4.36 3.50	6.00 5.04	2.90 2.41	5.08 4.58	2.38 3.53	5.35 4.85	2.41 3.29	15
16	3.79 2.47	5.79	5.66 6.11	3.93 2.55	6.69 6.00	3.98 3.28	5.67 4.59	2.44 2.53	5.31 4.29	2.42 3.56	5.05 4.96	2.36 3.00	16
17	5.32 5.87	3.85 2.54	5.74 5.90	3.75 2.34	6.55 5.68	3.62 3.60	5.96 4.83	2.36 3.27	5.14 4.12	2.33 3.53	4.92 5.02	2.44	17
18	5.33 5.53	3.76 2.20	5.64 5.82	3.48 2.77	6.77 5.48	3.32 3.65	4.28 4.95	2.41 3.44	5.05 4.47	2.29 3.24	2.98 2.68	4.88 5.05	18
19	5.17 4.83	3.46 1.95	6.16 5.72	3.53 2.13	6.90 5.48	3.31 3.59	6.43 5.07	2.32 3.52	4.99 4.48	2.26	3.66 2.69	4.83 5.04	19
20	4.61 4.74	3.07 2.11	6.74 5.64	4.24 2.82	6.84 5.51	2.98 3.89	6.43 5.22	2.38 3.61	3.15 2.27	4.88 4.54	2.82 2.53	4.58 4.68	20
21	4.83 5.40	3.00 2.63	5.95 5.18	2.81 2.91	6.92 5.45	2.79	6.45 5.20	2.33	3.12 2.44	4.85 4.98	2.59 2.68	4.36 4.40	21
22	5.22 5.20	3.00 2.55	6.32 5.34	2.70 3.20	3.75 2.63	6.83 5.46	3.31 2.29	6.34 5.18	3.25 2.50	4.94 4.75	2.52 2.62	4.15 4.76	22
23	4.82 4.85	2.43 2.55	6.54 5.46	2.76	3.77 2.63	6.76 5.52	3.34 2.35	6.20 5.23	3.01 2.47	4.60 4.62	2.28 2.43	4.05 4.51	23
24	2.58 2.36	4.90 5.27	3.38 2.69	6.49 5.42	3.74 2.51	6.52 5.33	3.36 2.33	6.13 5.24	2.88 2.45	4.39 4.28	1.99 2.54	3.82 4.53	24
25	3.19 2.65	5.53 5.46	3.63 2.76	6.74 5.48	3.45 2.09	6.18 5.11	3.17 2.23	5.93 5.33	2.75 2.61	4.37 4.97	2.08 2.93	4.02 4.93	25
26	3.16 2.33	5.49 4.61	3.67 2.77	6.84 5.77	3.36 2.05	5.87 5.23	3.19 2.42	5.83 5.49	2.99 3.05	4.66 4.26	2.26 3.27	4.24 5.19	26
27	3.05 2.27	5.59 4.48	3.98 2.85	6.88 5.76	3.48 2.09	5.86 5.29	3.25 2.63	5.77 5.96	2.87 2.75	4.61 4.99	2.36 3.82	4.32	27
28	3.14 2.18	5.14 4.91	4.08 2.86	6.53 5.71	3.32 2.02	5.49	3.49 2.81	5.58 5.91	2.47 2.78	4.07	5.39 4.33	2.39 3.55	28
29	3.31 2.05	5.34	3.93 2.42	6.29	5.31 5.23	3.14 2.16	3.19 2.66	4.99	4.82 3.85	2.15 3.18	5.01 4.60	2.22 3.35	29
30	5.18 5.43	3.51 2.06	5.79 6.32	4.07	5.43 4.67	3.05 2.24	5.71 4.20	2.78 2.57	NR	NR	5.13 4.67	2.36 3.22	30
31			6.03 6.09	4.25 2.90			5.71 4.07	2.39 2.88	NR	NR			31
MAXIMUM		6.35	6.88		7.68		6.59		NR		5.70		MAXIMUM
MINIMUM		1.95	1.82		2.02		2.08		NR		1.92		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 13.2 - 12-29-55

ZERO OF GAGE: 1958 -4.44 USCGS  
1964 -4.47 USCGS  
1964 TO DATE -3.08 USCGS



TABLE A-12 (CONTINUED)

## DAILY TIDES

895420 TOM PAINE SLOUGH ABOVE MOUTH  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.78 2.99	5.45 5.41	3.05 4.11	5.72 6.56	3.22 4.22	5.74 5.98	NR	NR	3.14 3.31	5.00 4.87	3.19 3.11	4.99 4.82	01
02	3.06 3.48	5.62 6.36	3.35 4.28	5.86 6.36	NR	NR	NR	NR	3.51 3.44	5.76	3.24 2.84	4.90	02
03	3.12 3.46	5.68 5.47	3.25 4.18	5.75 6.12	NR	NR	2.54 2.85	4.79 4.33	5.15 5.58	3.38 3.06	3.93 4.87	3.00 2.61	03
04	2.84 3.48	5.45 5.74	3.16 4.19	5.70 6.68	NR	NR	2.41 2.92	4.79	5.29 6.14	4.07 3.15	4.85 5.46	3.49 2.87	04
05	2.80 3.64	5.37 5.80	3.22 4.15	5.21 5.95	NR	NR	4.10 4.70	2.66 2.72	5.13 5.66	3.76	5.24 5.65	3.88 2.92	05
06	2.67 3.67	5.23 5.75	3.10 3.97	5.80 6.01	NR	NR	3.76 5.47	2.91 3.01	2.97 3.81	5.03 5.71	4.98 5.51	4.10 2.79	06
07	2.47 3.92	5.26	2.92 3.88	5.42	NR	NR	4.92 5.66	3.42	3.12 4.11	5.36 5.99	4.39 5.95	3.89	07
08	6.07 5.49	2.73 4.01	6.07 5.40	3.03 3.38	NR	NR	2.78 4.06	4.64 5.29	3.39 4.26	5.65 5.95	3.54 4.17	5.28 5.83	08
09	6.31 5.51	2.58 3.80	5.50 5.34	2.92 3.13	NR	NR	3.38 3.84	4.96 5.83	3.58 4.45	5.58 6.30	3.36 3.95	5.35 5.49	09
10	6.13 5.16	2.51 3.44	5.38 5.66	3.02	NR	NR	2.65 3.52	4.36 5.64	4.06 4.46	6.51 6.17	3.31 3.88	5.15 6.34	10
11	5.87 5.54	2.56 3.07	2.99 3.11	5.26 5.19	NR	NR	2.58 3.48	4.38 5.41	3.69 4.09	5.93 6.81	3.53 3.92	5.43 6.31	11
12	5.13 5.43	2.40	3.00 3.30	5.80 6.89	NR	NR	2.57 3.22	4.24 4.66	3.55 4.05	5.90 5.71	3.58 3.72	6.07 6.37	12
13	2.77 2.63	5.43 5.66	2.97 3.59	5.87 6.70	NR	NR	2.24 3.04	4.10 5.13	3.74 4.37	6.40 6.76	3.55 3.97	5.44 6.21	13
14	2.68 2.73	5.15 5.81	3.17 3.41	5.80 6.93	NR	NR	2.28 3.09	4.70 4.95	3.99 4.53	6.49 5.81	3.76 3.54	5.67 5.77	14
15	2.63 2.80	4.91 5.83	3.37 4.02	5.73 6.36	NR	NR	2.27 3.16	4.42 4.90	3.95 4.04	5.41 6.33	3.70 3.59	5.67 6.01	15
16	2.46 2.96	4.78 6.03	3.18 4.05	5.45 6.21	NR	NR	2.42 3.18	4.72 4.71	3.92 4.22	5.80 6.85	4.30 3.96	6.39 6.74	16
17	2.48 3.13	4.64 5.67	3.18 3.97	5.85 6.59	NR	NR	2.36 2.93	4.47 4.42	3.98 3.68	5.41 6.64	3.96 3.43	6.34 5.48	17
18	2.49 3.39	5.62 6.34	2.86 4.17	5.40 5.84	NR	NR	2.25 2.72	4.02 3.77	3.68 3.31	5.41	4.10 3.50	6.47	18
19	2.65 3.79	5.25 6.20	2.88 3.90	5.30 5.28	NR	NR	2.34 2.46	4.01	4.62 5.49	3.83 3.28	5.41 6.63	6.25 5.48	19
20	2.80 3.99	5.62 6.36	2.68 3.97	5.01 5.79	NR	NR	3.08 4.61	2.41 2.44	4.72 5.83	4.32 3.19	5.20 5.91	4.42 3.24	20
21	2.61 3.81	4.70 5.58	3.03 4.67	5.96	NR	NR	3.93 5.05	2.91 2.30	5.84 5.83	4.19	5.44 5.71	4.33 3.80	21
22	2.35 3.99	5.17	5.66 5.50	3.11 3.43	NR	NR	4.13 5.34	3.21 2.38	3.84 3.74	4.79 5.20	5.82 6.26	3.69	22
23	5.94 4.95	2.63 3.68	4.82 4.87	2.75 2.97	NR	NR	4.34 5.61	3.47	2.80 3.50	4.31 4.95	5.37 5.63	4.45	23
24	5.46 4.96	2.51 3.39	4.23 4.81	2.78 2.97	NR	NR	2.53 3.58	4.65 5.72	2.94 3.41	4.47 4.48	3.60 4.17	5.41 6.19	24
25	5.43 5.31	2.79 3.19	4.47 5.71	3.29	NR	NR	4.90 5.57	3.61	3.05 3.95	5.60 5.69	3.85 5.12	7.00 7.26	25
26	5.63 5.34	3.19 3.19	3.80 3.45	5.88 5.81	NR	NR	2.77 3.73	4.83 5.61	3.28 3.46	5.10 5.57	4.56 4.71	6.81 6.30	26
27	5.68 5.54	3.28	3.02 3.70	5.26 5.95	NR	NR	2.78 3.66	4.41 5.85	3.18 4.10	4.77 4.99	4.10 4.44	6.87 6.12	27
28	3.30 4.02	5.04 6.77	3.08 3.90	5.17 5.94	NR	NR	2.72 3.00	4.97 5.41	3.62 3.85	4.81 4.88	4.14 3.83	6.78 6.67	28
29	3.97 3.72	5.88 6.40	3.18 3.85	4.85 6.30	NR	NR	2.64 3.13	4.64 5.22	3.95	4.64	3.95 3.69	6.20 5.60	29
30	3.19 3.74	5.66 6.81	3.14 4.06	5.21 6.43	NR	NR	2.74 3.18	4.78 5.09	3.84	4.68	4.68 3.58	5.87 5.26	30
31	3.11 3.77	5.61 6.73			NR	NR	2.83 2.82	4.66 5.14			4.31 4.14	6.44 6.87	31
MAXIMUM	6.77		6.93		NR		NR		6.91		7.25		MAXIMUM
MINIMUM	2.35		2.68		NR		NR		2.80		2.61		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 47 27, LONG. 121 25 03, NE SEC. 4, T2S, R5E,  
0.1 MILE EAST OF MOUTH OF SUGAR CUT, 2.2 MILES ABOVE  
MOUTH, 2.6 MILES NORTH OF TRACY. STATION WAS DISCONTINUED  
9-30-66 AND REACTIVATED 2-26-68.

PERIOD OF RECORD: JUNE 51 TO OCT 53 (IRRIGATION  
SEASON ONLY)  
APR 54 TO SEPT 66  
MAR 68 TO DATE

TABLE H-12 (CONTINUED)

## DAILY TIDES

895420 TOM PAINE SLough ABOVE MOUTH  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.46 3.24	5.99	5.17 5.20	3.72 2.40	4.18 5.01	4.37 3.46	5.55 4.33	2.93 2.52	5.74 3.96	2.34 3.37	5.07 4.23	2.37 3.39	01
02	5.29 5.41	3.93 2.92	5.16 4.78	3.44 2.09	6.33 5.41	4.13 3.41	5.55 4.11	2.64 2.82	5.68 3.99	2.21 3.49	5.03 4.39	2.36 3.25	02
03	4.88 5.33	3.93 2.85	4.37 4.27	3.19 2.35	6.17 5.12	3.69 3.54	5.63 4.26	2.44 3.32	5.60 4.04	2.21 3.52	5.06 4.52	2.43 3.09	03
04	5.40 5.28	3.97 2.86	4.65 3.93	3.15 2.19	6.35 5.32	3.62 4.13	5.98 4.58	2.39 3.57	5.92 4.74	2.51 3.82	4.99 4.67	2.48 3.01	04
05	4.81 5.20	3.87 2.82	4.11 4.24	2.78 2.46	7.16 6.02	4.05 4.56	6.09 4.70	2.37 3.57	5.50 4.88	2.53 3.62	3.63 2.74	4.99 5.01	05
06	4.67 4.58	3.53 2.79	4.16 4.16	2.50 2.72	7.17 6.09	3.97 4.58	6.39 5.05	2.49 3.92	5.43 5.10	2.54 3.12	4.91 2.99	5.13 5.13	06
07	4.37 5.13	3.30	4.41 4.44	2.54 2.97	7.18 5.96	3.66 4.57	6.62 5.19	2.61	3.30 2.19	5.06 4.45	3.21 3.16	4.95 5.13	07
08	2.95 3.16	4.70 5.68	4.65 4.69	2.61	7.32 6.02	3.75	3.77 2.51	6.55 5.13	2.78 2.16	5.09 4.42	3.26 2.29	5.08 5.68	08
09	3.09 3.16	4.86 5.19	3.31 2.72	5.02 5.11	4.51 3.66	7.30 6.03	3.68 2.60	6.61 5.25	2.77 2.33	4.95 4.44	3.13 3.27	4.99 5.71	09
10	3.43 3.22	5.11 5.25	3.44 2.71	5.02 4.50	4.66 3.80	7.41 6.38	3.57 2.56	6.42 5.26	2.86 2.50	4.64 4.87	3.22 3.56	4.96 5.81	10
11	3.58 3.23	5.38 5.71	3.38 2.50	4.86 3.79	4.90 4.12	7.76 6.59	3.49 2.48	6.15 5.29	2.99 2.86	4.65 4.63	3.12 3.83	4.89 5.01	11
12	3.80 3.15	5.35 5.19	3.18 2.34	4.74 4.69	4.89 3.75	7.50 6.25	3.27 2.48	5.86 5.46	3.13 3.01	4.65 4.53	5.86 4.98	3.15 4.01	12
13	3.78 3.16	5.69 5.27	3.51 2.61	5.28 5.45	4.43 3.42	6.95 6.42	3.24 2.57	5.67 4.58	5.32 4.58	2.94 3.05	5.91 5.13	3.08 4.11	13
14	4.03 3.28	6.33 5.73	4.24 3.14	6.02 5.69	6.39 7.00	4.60 3.72	5.83 5.69	3.39 2.91	5.17 4.20	2.73 3.29	5.68 4.64	3.08 3.89	14
15	4.86 2.88	5.80 5.37	4.14 2.94	6.43	6.76 6.73	4.65 3.90	6.80 5.07	3.11 2.61	5.14 4.62	2.56 3.54	5.63 5.10	2.85 3.66	15
16	3.97 2.79	5.82	5.69 6.15	4.13 2.88	6.79 6.12	4.36 3.73	5.73 4.62	2.63 2.71	5.35 4.35	2.60 3.67	5.32 5.20	2.80 3.39	16
17	5.35 5.92	4.02 2.80	5.77 5.87	3.97 2.67	6.63 5.78	4.05 4.01	5.96 4.87	2.59 3.39	5.19 4.20	2.52 3.68	5.18 5.28	2.87 3.01	17
18	5.34 5.54	3.93 2.50	5.67 5.83	3.71 3.09	6.84 5.56	3.79 4.06	6.29 4.99	2.64 3.59	5.11 4.54	2.50 3.39	3.37 3.07	5.14 5.29	18
19	5.18 4.96	3.64 2.23	6.19 5.78	3.78 3.46	6.96 5.57	3.79 4.00	6.43 5.10	2.57 3.68	5.06 4.67	2.50	3.45 3.09	5.11 5.27	19
20	4.64 4.79	3.26 2.38	6.78 5.71	4.44 2.97	6.93 5.59	3.40 4.19	6.45 5.24	2.63	3.31 2.52	4.87 4.73	3.22 2.93	4.77 4.95	20
21	4.85 5.42	3.21 2.87	5.98 5.21	3.11 3.22	6.95 5.50	3.18 3.98	3.73 2.56	6.47 5.22	3.31 2.74	4.92 5.03	2.98 3.05	4.63 4.66	21
22	5.25 5.23	3.23 2.83	6.35 5.38	3.07 3.48	6.86 5.52	2.95	3.45 2.50	6.35 5.19	3.43 2.73	4.99 4.81	2.91 3.08	4.41 5.01	22
23	4.87 4.90	2.70	6.58 5.50	3.11	3.95 3.01	6.82 5.56	3.50 2.56	6.21 5.24	3.26 2.67	4.68 4.73	2.69 2.82	4.38 4.78	23
24	2.84 2.62	5.05 5.31	3.66 3.06	6.71 5.56	3.94 2.81	6.52 5.36	3.51 2.55	6.15 5.25	3.08 2.65	4.47 4.35	2.41 2.90	4.10 4.80	24
25	3.49 2.90	5.58 5.48	3.06 3.11	6.79 5.61	3.66 2.39	6.12 5.14	3.32 2.46	5.95 5.34	2.95 2.81	4.44 5.03	2.40 3.24	4.28 5.20	25
26	3.36 2.60	5.52 4.85	3.92 3.10	6.86 5.60	3.49 2.34	5.87 5.25	3.35 2.62	5.83 5.48	3.18 3.23	4.73 5.34	2.62 3.55	4.49 5.47	26
27	3.26 2.52	5.41 4.56	4.21 3.18	6.90 5.80	3.56 2.38	5.86 5.31	3.41 3.01	5.80 6.80	3.06 2.92	4.64 5.03	2.68 4.12	4.56 5.66	27
28	3.33 2.46	5.24 4.52	4.22 3.19	6.60 5.75	3.50 2.27	5.50	3.64 2.98	5.59 5.91	2.67 2.93	4.14 4.89	2.75 3.85	4.60 5.01	28
29	3.50 2.34	5.39	4.14 2.81	6.34	5.33 5.25	3.33 2.43	3.36 2.85	5.04	2.36 3.28	3.90	5.27 4.85	2.59 3.67	29
30	5.13 5.47	3.69 2.36	5.82 6.37	4.28 3.06	5.44 4.71	3.25 2.54	5.71 4.14	2.96 2.72	4.90 3.74	2.25 3.64	5.39 4.93	2.72 3.54	30
31			6.10 6.14	4.46 3.23			5.72 4.11	2.60 3.00	5.08 3.81	2.25 3.52			31
MAXIMUM	6.33		6.90		7.76		6.62		6.92		5.91		MAXIMUM
MINIMUM	2.23		2.09		2.27		2.37		2.16		2.36		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.6 - 12-29-55

ZERO OF GAGE: 1955 -4.22 USCGS  
1964 -4.43 USCGS  
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

## DAILY TIDES

895340 OLO RIVER AT CLIFTON COURT FERRY  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.53 2.73	5.18 5.23	2.70 3.80	5.38 6.27	2.75 4.04	5.48 5.74	2.17 3.20	5.11 5.25	2.88 2.98	4.90 4.85	2.86 2.91	4.76 4.86	01
02	2.79 3.24	5.35 6.08	2.87 4.01	5.55 6.11	2.80 4.17	5.70 6.04	2.34 3.08	4.76 4.88	3.26 3.11	5.54	3.24 2.87	4.66 3.73	02
03	2.88 3.26	5.41 5.23	2.71 3.89	5.45 5.93	2.80 4.01	5.70 6.05	2.13 2.81	4.57 4.19	4.91 5.45	3.09 2.74	2.77 2.55	4.73	03
04	2.56 3.33	5.29 5.56	2.57 3.88	5.39 6.37	3.37 4.45	6.34 6.08	2.06 2.58	4.50	5.07 6.02	4.03 2.82	4.56 5.27	3.37 2.56	04
05	2.52 3.51	5.11 5.65	2.65 3.88	5.07 5.82	3.01 3.66	5.52 5.56	3.97 4.51	2.29 2.29	4.88 5.53	3.55 2.45	4.96 5.47	3.80 2.60	05
06	2.44 3.60	4.98 5.58	2.51 3.66	5.50 5.72	2.55 3.17	5.53	3.61 5.26	2.69 2.66	4.77 5.52	3.52	4.73 5.31	4.06 2.58	06
07	2.26 3.87	5.02 5.96	2.41 3.82	5.27	5.01 5.31	2.55 2.91	4.68 5.46	3.29 2.42	2.43 3.73	5.06 5.79	4.32 5.76	3.90 3.35	07
08	2.53 3.71	5.23 6.06	5.77 5.26	2.54 3.04	4.96 4.80	2.81 2.55	4.51 6.00	3.97	2.78 3.84	5.33 5.69	5.19 5.52	4.10	08
09	2.34 3.70	5.23	5.23 5.10	2.51 2.76	4.80 5.42	3.05 2.57	2.94 3.55	4.81 5.64	2.91 4.04	5.38 6.03	3.00 3.74	4.98 5.28	09
10	5.89 4.96	2.26 3.29	5.03 5.37	2.64 2.55	4.52 5.80	3.31	2.12 3.32	4.25 5.47	3.66 4.19	6.18 5.93	3.13 3.74	4.92 5.88	10
11	5.65 5.26	2.31 2.92	4.98 5.89	2.75	2.68 3.56	5.12 5.87	2.01 3.24	4.23 5.26	3.11 2.82	5.52 5.66	3.45 3.70	5.18 5.86	11
12	4.96 5.17	2.21 2.58	2.58 3.04	4.71 4.74	2.65 3.68	5.16 6.49	1.96 2.90	4.09 4.51	2.86 3.55	5.59 5.69	3.51 3.46	5.55 5.22	12
13	5.19 5.40	2.42	2.56 3.38	4.83 6.40	2.73 3.56	5.24 5.36	1.83 2.79	3.82 4.89	3.13 3.94	6.09 5.83	NR	NR	13
14	2.47 2.56	4.89 5.56	2.71 3.59	4.85 6.62	2.36 3.44	4.39 5.69	1.76 2.91	4.42 4.79	3.34 3.99	6.10 5.49	3.15 2.92	5.40 5.53	14
15	2.39 2.63	4.74 5.57	2.89 3.82	5.42 6.09	2.39 3.45	4.49 5.05	1.81 2.91	4.26 4.83	3.25 3.37	5.04 5.02	3.10 2.90	5.46 5.66	15
16	2.21 2.80	4.61 5.77	2.72 3.86	5.21 5.97	2.19 3.44	4.38 5.79	1.90 2.87	4.46 4.58	3.16 3.54	5.48 4.43	3.82 3.15	6.22 5.47	16
17	2.26 3.05	4.52 5.47	2.67 3.82	4.91 5.39	2.31 3.71	4.46 5.19	1.80 2.57	4.24 4.24	3.15 2.96	5.09 4.32	3.43 2.66	6.11 5.25	17
18	2.18 3.26	4.80 6.05	2.39 4.01	5.16 5.68	2.29 3.54	4.62 4.84	2.02 2.35	3.82 3.63	3.92 2.57	5.18	3.62 2.75	6.27 5.16	18
19	2.34 3.70	4.95 5.34	2.45 3.74	4.98 5.16	2.97 3.30	4.51 4.54	1.86 2.01	3.81	4.33 5.32	3.34 2.56	3.84 2.87	6.39	19
20	2.53 3.90	5.34 6.10	2.20 3.81	4.87 4.53	2.01 2.97	4.70 3.90	2.91 4.38	2.07 2.03	4.45 5.61	4.00 2.35	4.99 5.65	4.67 2.49	20
21	2.39 3.79	4.62 5.38	2.66 4.53	5.79 5.43	2.02 2.95	4.27	3.69 4.90	2.74 1.92	4.67 5.55	3.69 2.16	5.22 5.61	3.93 3.19	21
22	2.13 3.43	4.95 5.72	2.77 3.15	5.27	3.96 4.66	2.33 2.50	3.93 5.17	3.08 1.84	4.45 4.96	3.24 1.98	5.62 6.10	4.36 2.93	22
23	2.39 3.59	4.77	4.58 4.68	2.42 2.68	3.46 4.88	2.58 2.26	4.03 5.39	3.30 1.95	4.07 4.74	3.04	5.19 5.40	3.82 2.74	23
24	5.23 4.81	2.21 3.21	4.88 4.62	2.52 2.64	3.60 5.03	2.74 2.10	4.40 5.51	3.37	2.05 2.96	4.20 5.28	5.32 6.02	3.57 3.10	24
25	5.17 5.08	2.49 3.15	4.30 5.51	3.85 2.58	3.98 5.20	3.09	2.83 3.35	4.51 5.31	2.42 3.15	5.25 5.51	6.65 6.83	4.62	25
26	5.32 5.07	2.49 3.12	4.83 5.88	3.19	2.26 3.53	4.24 5.70	2.16 3.46	4.57 5.37	2.99 2.99	4.87 5.32	3.85 3.97	6.47 6.08	26
27	5.39 5.31	3.00 3.00	2.60 3.46	5.01 5.72	2.45 3.84	4.65 6.25	2.27 3.44	4.23 5.54	2.55 2.64	4.54 4.77	3.44 3.74	6.54 5.86	27
28	5.71 6.32	3.79	2.60 3.69	4.94 5.70	3.05 4.20	5.69 5.96	2.27 2.82	4.58 5.16	2.56 2.63	4.59 4.74	3.48 3.04	6.45 5.37	28
29	3.60 3.45	5.60 5.92	2.63 3.65	4.67 6.05	3.05 3.80	5.42 5.67	2.21 2.78	4.50 5.04			3.30 2.94	5.99 5.32	29
30	2.88 3.48	5.36 5.54	2.66 3.89	5.04 6.18	2.50 3.54	4.68 6.01	2.19 2.84	4.58 4.93			3.42 2.84	5.67 4.99	30
31	2.72 3.53	5.31 5.77			3.82 3.19	5.85 5.10	2.35 2.48	4.61 5.01			3.81 3.45	6.38 5.76	31
MAXIMUM	6.32		6.62		6.49		6.00		6.18		NR		MAXIMUM
MINIMUM	2.13		2.20		2.01		1.63		1.98		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 37 49 28, LONG. 121 33 05, SE SEC. 20, T15, R4E,  
APPROXIMATELY 2,000 FEET BELOW JUNCTION WITH GRANT LINE  
CANAL. MAXIMUM GAGE HEIGHT LISTED DOES NOT INDICATE  
MAXIMUM DISCHARGE.

PERIOD OF RECORD: DEC 1948 TO DATE

TABLE 8-17 (CONTINUED)  
DAILY TIDES  
495340 OLD RIVER AT CLIFTON COURT FERRY  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	3.94 2.42	5.79	4.98 5.09	3.61 1.95	5.88 5.51	4.17 2.98	5.34 4.13	2.66 2.29	5.60 3.82	2.20 3.48	4.82 4.09	2.18 3.41	01
02	5.06 5.21	3.50 2.13	4.97 4.55	3.42 1.71	6.05 5.08	3.73 2.80	5.36 3.96	2.35 2.66	5.53 3.87	2.05 3.58	4.82 4.21	2.19 3.28	02
03	4.71 5.24	3.60 2.23	4.26 4.10	3.08 1.99	5.85 4.80	3.15 3.06	5.47 4.04	2.12 3.20	5.43 3.84	2.00 3.58	4.82 4.35	2.26 3.05	03
04	5.22 5.08	3.75 2.34	4.52 3.89	2.97 1.79	6.09 5.02	3.02 3.68	5.81 4.39	2.08 3.56	5.73 4.56	2.41 3.85	4.79 4.49	2.38 3.05	04
05	4.79 4.98	3.64 2.33	3.93 4.08	2.45 2.01	6.80 5.76	3.35 4.05	5.92 4.51	2.80 3.52	5.31 4.76	2.38 3.59	2.88 2.63	4.79 4.77	05
06	4.57 4.42	3.22 2.29	4.01 4.02	2.20 2.29	6.94 5.78	3.28 4.10	6.19 4.84	2.15 3.83	5.32 4.89	2.25 3.25	2.96 2.83	4.73 4.89	06
07	4.21 4.98	2.92 2.43	4.25 4.30	2.08 2.56	6.83 5.95	2.87 4.09	6.41 4.97	2.33 3.68	4.99 4.33	2.03 3.43	3.04 2.97	4.74 4.84	07
08	4.61 4.96	2.72 2.58	4.47 4.49	2.12 2.98	6.98 5.74	2.92 3.90	6.37 4.93	2.20 3.59	2.73 2.06	4.89 4.24	3.08 3.17	4.75 5.42	08
09	4.72 5.07	2.61	4.81 4.87	2.25 3.13	7.00 5.75	2.76	6.41 5.05	2.31	2.77 2.27	4.74 4.24	2.94 3.14	4.65 5.43	09
10	2.90 2.60	4.92 5.12	4.81 4.39	2.13	4.13 2.87	7.10 6.07	3.45 2.27	6.25 5.06	2.82 2.36	4.41 4.60	3.03 3.54	4.74	10
11	3.85 2.60	5.24 5.44	3.11 1.95	4.67 3.62	4.29 3.25	7.42 6.30	3.37 2.19	5.96 5.1	2.92 2.77	4.52 5.07	5.57 4.69	2.95 3.83	11
12	3.37 2.53	5.17 5.08	3.07 1.84	4.68 4.49	4.28 2.86	7.22 5.96	3.03 2.13	5.71 5.27	3.00 2.98	4.47	5.65 4.86	2.93 4.01	12
13	3.36 2.50	5.49 5.62	3.38 2.18	5.16 5.20	3.91 2.62	6.66 6.12	3.03 2.32	5.52 5.72	5.12 4.38	2.80 2.99	5.73 4.84	2.85 4.06	13
14	3.66 2.71	6.10 5.51	4.20 2.66	5.81 5.42	4.24 3.04	6.75 6.44	3.26 2.58	5.51 5.88	5.06 4.10	2.59 3.34	5.46 4.40	2.73 3.62	14
15	3.76 2.29	5.72 5.16	3.93 2.40	6.13 5.39	4.20 3.10	6.43	2.86 2.39	4.89	4.95 4.42	2.44 3.70	5.30 4.89	2.61 3.57	15
16	3.73 2.24	5.73 5.14	3.92 2.36	5.94	6.45 5.75	3.69 2.80	5.59 4.45	2.43 2.55	5.14 4.26	2.44 3.71	5.13 5.62	2.60 3.28	16
17	3.85 2.25	5.76	5.51 5.65	3.75 2.16	6.32 5.39	3.26 3.12	5.78 4.64	2.35 3.24	4.97 3.64	2.33 3.64	5.08 5.06	2.67 3.27	17
18	5.16 5.37	3.80 1.99	5.41 5.57	3.47 2.59	6.53 5.22	2.98 3.22	6.11 4.76	2.31 3.47	4.87 4.39	2.26 3.36	4.96 5.10	2.77 3.18	18
19	4.98 4.84	3.44 1.78	5.89 5.41	4.01 3.43	6.43 5.20	2.82 3.25	6.28 4.89	2.31 3.56	4.87 4.47	2.27 3.22	3.15 2.77	5.00 5.18	19
20	4.53 4.72	3.01 1.95	6.39 5.37	4.06 2.43	6.55 5.26	2.50 3.62	6.27 5.02	2.30 3.62	4.72 4.52	2.27	2.90 2.61	4.62 4.68	20
21	4.73 5.22	2.94 2.39	5.62 4.92	2.66 2.82	6.67 5.21	2.46 3.61	6.30 5.04	2.31 3.31	3.16 2.48	4.78 4.79	2.86 2.78	4.39 4.41	21
22	5.05 4.95	2.82 2.43	6.01 5.67	2.56	6.56 5.25	2.39 3.66	6.21 5.03	2.27	3.35 2.52	4.88 4.68	2.56 2.74	4.32 4.77	22
23	4.87 4.84	2.32 2.45	6.34 2.62	6.14 5.20	6.51 5.24	2.24	3.42 2.35	6.08 5.08	3.06 2.48	4.47 4.55	2.33 2.56	4.68 4.55	23
24	5.01 5.12	2.17	6.37 5.27	2.52	3.71 2.32	6.31 5.13	3.45 2.35	6.04 5.16	2.91 2.49	4.24 4.11	2.03 2.68	3.98 4.56	24
25	3.13 2.47	5.50 5.26	3.63 2.59	6.43 5.33	3.38 1.89	5.88 4.91	3.22 2.26	5.82 5.26	2.85 2.75	4.29 4.81	2.06 3.12	4.16 4.96	25
26	3.05 2.10	5.30 4.74	3.68 2.59	6.51 5.41	3.31 1.88	5.68 5.04	3.26 2.46	5.72 5.35	3.10 3.23	4.54 5.09	2.34 3.53	4.29 5.25	26
27	2.98 2.06	5.51 4.42	4.00 2.68	6.50 5.54	3.40 1.94	5.68 5.10	3.31 2.83	5.63 5.81	2.97 2.99	4.38 4.82	2.49 4.03	4.36 5.44	27
28	3.10 1.97	5.13 4.69	4.00 2.70	6.26 5.45	3.30 1.88	5.30 5.12	3.57 2.84	5.45 5.74	2.58 3.05	3.98 4.69	2.47 3.76	4.46 5.07	28
29	3.34 1.90	5.24 4.93	3.98 2.59	6.62	3.07 2.03	5.66	3.24 2.67	4.86 5.57	2.27 3.37	3.78	NR	NR	29
30	3.56 1.93	5.28	5.53 6.07	4.13 2.58	5.23 4.45	3.03 2.06	2.84 2.67	4.11	NR	NR	NR	NR	30
31			5.83 5.85	4.36 2.77			5.59 3.95	2.45 3.03	4.89 3.68	2.08 3.48			31
MAXIMUM	6.18		6.54		7.42		6.41		NR		NR		MAXIMUM
MINIMUM	1.78		1.71		1.88		2.00		NR		NR		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 9.7 - 12-26-55

ZERO OF GAGE: 1948 to 1952 -2.25 USGS  
1952 -2.12 USGS  
1964 -2.56 USGS  
1964 TO DATE -3.00 USGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

 096278 ITALIAN SLOUGH NEAR MOUTH  
 (OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	-0.40 -0.17	2.32 2.39	-0.38 0.78	2.36 3.37	-0.29 1.05	2.48 3.13	NR	NR	NR	NR	NR	NR	01
02	-0.13 0.32	2.49 3.22	-0.22 1.01	2.51 3.24	-0.25 1.19	2.69 3.27	NR	NR	NR	NR	NR	NR	02
03	-0.09 0.37	2.54 2.61	-0.34 0.89	2.41 3.04	-0.21 1.11	2.78 3.12	-0.70 -0.42	1.81 1.35	NR	NR	NR	NR	03
04	-0.35 0.43	2.34 2.87	-0.48 0.87	2.36 1.35	0.35 1.43	3.34 3.20	-0.70 -0.49	1.87	NR	NR	NR	NR	04
05	-0.39 0.60	2.24 2.95	-0.45 0.85	2.17 2.46	-0.03 0.55	2.67 2.55	1.13 1.90	-0.70 -0.69	NR	NR	NR	NR	05
06	-0.52 0.68	2.11 2.87	-0.55 0.65	2.47 2.70	-0.50 0.15	2.47 1.99	0.84 2.55	-0.30 -0.38	NR	NR	2.09 2.79	1.62 -0.61	06
07	-0.69 0.98	2.15 3.17	-0.63 0.62	2.34 2.74	-0.48 -0.13	2.53 1.99	1.84 2.75	0.33 -0.58	NR	NR	1.73 3.07	0.92 0.20	07
08	-0.42 1.01	2.36 3.19	-0.50 0.02	2.33	1.93 2.13	-0.23 -0.48	1.75 3.30	0.97 -0.08	NR	NR	2.50 2.99	0.98 -0.19	08
09	-0.63 0.79	2.37	2.21 2.26	-0.52 -0.27	1.77 2.64	0.04 -0.47	2.02 2.87	0.56	NR	NR	2.39 2.64	0.59 -0.22	09
10	3.04 2.19	-0.65 0.37	2.82 2.32	-0.38 -0.48	1.77 2.94	0.30 -0.38	NR	NR	NR	NR	2.31 3.15	0.56	10
11	2.02 2.41	-0.60 0.00	1.96 2.89	-0.26	2.09 3.02	0.54	NR	NR	NR	NR	-0.74 0.51	2.57 3.12	11
12	2.26 2.35	-0.73 -0.35	-0.51 0.60	1.78 3.03	-0.42 0.66	2.13 3.51	NR	NR	NR	NR	0.05 0.25	2.82 2.44	12
13	2.37 2.57	-0.50 -0.47	-0.53 0.33	1.76 3.41	-0.34 0.05	2.20 2.68	NR	NR	NR	NR	-0.03 0.34	2.48 3.03	13
14	2.30 2.74	-0.37	-0.34 0.59	1.93 3.63	-0.07 0.44	1.56 2.82	NR	NR	NR	NR	-0.22 0.01	2.49 2.54	14
15	-0.55 -0.29	1.98 2.75	-0.15 0.81	2.54 3.26	-0.67 0.46	1.66 2.32	NR	NR	NR	NR	-0.16 -0.07	2.59 2.65	15
16	-0.69 -0.11	1.87 2.45	-0.31 0.88	2.34 3.10	-0.69 0.43	1.67 2.77	NR	NR	NR	NR	0.87 0.19	3.25 2.45	16
17	-0.68 0.10	1.80 2.68	-0.40 0.81	2.04 2.62	-0.59 0.71	1.62 2.34	NR	NR	NR	NR	0.49 -0.30	3.18 2.24	17
18	-0.69 0.34	2.44 3.18	-0.65 1.02	2.03 2.75	-0.69 0.54	1.79 1.96	NR	NR	NR	NR	0.68 -0.27	3.26 2.14	18
19	-0.57 0.79	2.22 3.02	-0.63 0.75	2.19 2.19	-0.59 0.30	1.67 1.58	NR	NR	NR	NR	0.90 -0.87	3.38 2.13	19
20	-0.39 0.99	2.45 3.22	-0.69 0.83	1.96 2.61	-0.70 -0.03	1.70 1.02	NR	NR	NR	NR	1.14 -0.51	2.83	20
21	-0.60 0.85	1.77 2.47	-0.33 1.55	2.86 2.62	-0.70 -0.05	1.57 1.14	NR	NR	NR	NR	2.20 2.62	1.08 0.25	21
22	-0.69 1.01	2.15 2.78	-0.24 0.17	2.38	-0.68 -0.53	1.89	NR	NR	NR	NR	2.87 3.30	1.44 -0.01	22
23	-0.54 0.64	1.97	1.57 1.90	-0.68 -0.34	0.62 1.99	-0.43 -0.70	NR	NR	NR	NR	2.44 2.74	0.89 -0.21	23
24	2.26 1.98	-0.69 0.27	1.18 1.88	-0.51 -0.30	0.70 2.12	-0.27 -0.70	NR	NR	NR	NR	2.31 3.19	0.62 0.13	24
25	2.21 2.14	-0.45 0.21	1.49 2.60	0.06 -0.43	1.20 2.47	0.09 -0.70	NR	NR	NR	NR	3.65 3.96	1.67	25
26	2.36 2.31	-0.10 0.15	1.81 2.72	0.20 -0.42	1.41 2.94	0.54 -0.60	NR	NR	NR	NR	0.85 0.95	3.47 3.21	26
27	2.41 2.53	0.03 0.04	1.98 2.91	0.47	1.94 3.52	0.90	NR	NR	NR	NR	0.45 0.69	3.57 3.04	27
28	2.76 3.69	0.79	-0.44 0.69	2.02 2.97	0.03 1.16	2.69 3.18	NR	NR	NR	NR	0.48 0.04	3.48 2.36	28
29	0.61 0.45	2.52 3.26	-0.40 0.66	1.82 3.20	NR	NR	NR	NR	NR	NR	0.35 -0.03	3.26 2.67	29
30	-0.15 0.47	2.39 2.76	-0.38 0.90	2.29 3.34	NR	NR	NR	NR	NR	NR	0.49 -0.14	3.07 2.26	30
31	-0.32 0.54	2.30 2.95			NR	NR	NR	NR	NR	NR	0.85 0.45	3.64 2.76	31
MAXIMUM	3.69		3.63		NR	NR	NR	NR	NR	NR	NR	NR	MAXIMUM
MINIMUM	-0.73		-0.69		NR	NR	NR	NR	NR	NR	NR	NR	MINIMUM

NR = NO RECORD

 LOCATION: LAT. 37 51 38, LONG. 121 34 48, NM SEC. 7, T15, R4E,  
 ON CLIFTON COURT ISLAND, 6.1 MILES SOUTHEAST OF BYRON. \*

PERIOD OF RECORD: MAY 1968 TO DATE

TABLE 8-12 (CONTINUED)  
DAILY TIDES  
89278 ITALIAN SLOUGH NEAR MOUTH  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.96 -0.58	2.90 2.10	NR	NR	3.07 2.59	1.18 -0.01	2.57 1.26	-0.25 -0.63	-0.66 0.57	1.13	2.47 1.50	-0.70 0.43	01
02	0.57 -0.71	2.39	NR	NR	3.14 2.17	0.72 -0.22	2.62 1.04	-0.55 -0.26	2.88 1.25	-0.67 0.73	2.47 1.61	-0.70 0.27	02
03	1.88 2.29	0.69 -0.68	1.72 1.38	0.18 -0.71	3.00 1.84	0.15 0.06	2.71 1.17	-0.72 0.31	2.90 1.35	-0.70 0.77	NR	NR	03
04	2.29 2.16	0.86 -0.59	2.00 1.14	0.06 -0.71	3.22 2.07	0.01 0.60	3.03 1.54	-0.72 0.67	3.22 1.95	-0.55 0.87	2.46 1.94	-0.64 -0.03	04
05	2.17 2.03	0.75 -0.58	1.48 1.12	-0.48 -0.71	3.94 2.72	0.41 1.12	3.18 1.69	-0.73 0.64	3.02 2.04	-0.56 0.67	2.46 2.24	-0.38	05
06	2.00 1.83	0.31 -0.61	1.55 1.22	-0.71 -0.64	3.95 2.79	0.32 1.16	3.42 1.98	-0.71 0.93	2.94 2.17	-0.67 0.33	-0.02 -0.12	2.45 2.40	06
07	1.75 2.03	0.03 -0.67	1.80 1.46	-0.71 -0.34	3.92 2.68	0.08 1.17	3.61 2.12	-0.61 0.78	2.58 1.68	-0.71	0.08 0.01	2.39 2.54	07
08	2.09 2.11	-0.19 -0.32	2.02 1.77	-0.73 0.05	4.09 2.77	0.06 1.07	3.57 2.10	-0.70 0.66	-0.23 -0.90	2.43 1.75	0.09 0.17	2.32 2.95	08
09	2.13 2.19	-0.30 -0.04	2.34 2.03	-0.69 0.20	4.04 2.76	-0.22	3.63 2.23	-0.63	-0.22 -0.71	2.35 1.87	-0.04 0.17	2.11 2.96	09
10	2.29 2.19	-0.37	2.40 1.66	-0.73 0.18	4.15 -0.08	0.53 3.69	3.47 -0.66	2.26	-0.16 -0.57	2.14 2.24	0.05 0.53	2.15 3.09	10
11	0.69 -0.36	2.42 2.50	2.29 1.15	-0.74 0.10	4.53 0.32	4.47 3.31	0.43 -0.70	3.24 2.31	0.02 -0.14	2.09 2.66	-0.07 0.87	2.07 3.14	11
12	0.44 -0.43	2.57 2.11	2.15 1.83	-0.72	4.41 -0.11	4.26 2.99	0.08 -0.71	2.93 2.50	0.10 0.00	1.96 2.76	-0.06 1.03	2.14	12
13	0.43 -0.46	2.79 2.10	0.46 -0.73	2.55 2.49	1.02 -0.33	3.72 3.18	0.13 -0.60	2.73 2.94	-0.12 0.09	1.67 2.69	3.17 2.12	1.08 1.03	13
14	0.71 -0.26	3.21 2.55	1.29 -0.33	3.15 2.56	1.36 0.08	3.81 3.56	0.34 -0.34	2.71 3.13	-0.33 0.42	1.56 1.92	2.96 1.92	-0.27 0.42	14
15	0.86 -0.67	2.88 2.21	0.99 -0.65	3.41 2.50	1.27 0.14	3.47 3.54	-0.02 -0.51	2.07	2.67 1.82	-0.48 0.76	2.76 2.16	-0.38 0.55	15
16	0.83 -0.69	2.87 2.20	0.95 -0.68	3.09 2.63	0.74 -0.21	2.79	2.80 1.62	-0.49 -0.33	2.84 1.63	-0.50 0.74	2.61 2.23	-0.41 0.2A	16
17	0.91 -0.71	2.79	0.82 -0.73	2.75	3.38 2.43	0.29 0.18	2.96 1.81	-0.66 0.30	2.67 1.64	-0.65 0.70	2.47 2.32	-0.31 0.24	17
18	2.23 2.40	0.86 -0.71	2.52 2.05	0.52 -0.43	3.02 2.24	0.00 0.24	3.37 1.94	-0.58 0.58	2.58 1.76	-0.68 0.35	2.44 2.42	-0.68 0.28	18
19	2.06 1.98	0.52 -0.71	3.00 2.55	0.45 -0.05	3.71 2.21	-0.18 0.28	3.48 2.07	-0.62 0.64	2.49 1.78	-0.68 0.23	2.36 2.38	-0.08	19
20	1.74 1.88	0.09 -0.70	3.55 2.40	0.98 -0.62	3.67 2.31	-0.48 0.70	3.47 2.14	-0.63 0.70	2.30 1.83	-0.69 0.20	0.03 -0.24	2.06 2.09	20
21	1.95 2.23	0.00 -0.59	2.79 2.01	-0.37 -0.20	3.77 2.28	-0.47 0.71	3.50 2.21	-0.62 0.58	2.35 2.09	-0.51 -0.07	-0.19 2.03	1.96 2.03	21
22	2.31 2.32	-0.10 -0.50	3.16 2.18	-0.49 0.12	3.71 2.33	-0.57 0.72	3.43 2.23	-0.66 0.5	0.36 -0.44	2.37 2.05	-0.30 -0.11	1.68 2.17	22
23	2.23 2.06	-0.61 -0.45	3.40 2.31	-0.41 0.34	3.03 2.38	-0.70	3.32 2.29	-0.59	0.10 -0.46	2.11 1.94	-0.53 -0.29	1.58 2.00	23
24	2.33 2.23	-0.69 0.22	3.53 2.37	-0.52 0.63	0.84 -0.63	3.44 2.26	0.53 -0.58	3.26 2.31	-0.05 -0.48	1.89 1.78	-0.68 1.19	1.29 2.04	24
25	2.88 2.43	-0.47	3.70 2.43	-0.50	0.49 -0.72	2.99 2.04	0.35 -0.65	3.03 2.39	-0.15 -0.25	1.75 2.27	-0.69 0.26	1.38 2.37	25
26	0.15 -0.72	2.74 1.88	0.68 -0.50	3.69 2.61	0.41 -0.73	2.81 2.17	0.37 -0.47	2.92 2.61	0.10 0.16	1.91 2.58	-0.54 0.6A	1.62 2.43	26
27	0.07 -0.71	2.84 1.73	0.96 -0.43	3.79 2.62	0.50 -0.72	2.80 2.25	0.44 -0.08	2.85 3.01	-0.02 -0.08	1.62 2.35	-0.38 1.15	1.70 2.77	27
28	0.19 -0.72	2.42 2.00	0.98 -0.42	3.63 2.57	0.40 -0.73	2.42 2.31	0.62 -0.09	2.63 2.95	-0.43 -0.03	1.20 2.22	-0.41 0.92	1.75 2.50	28
29	NR	NR	0.94 -0.72	3.19 2.64	-0.17 -0.73	2.17 2.39	0.29 -0.30	2.03 2.81	-0.68 0.39	1.04 2.24	-0.57 0.68	1.91	29
30	NR	NR	1.11 -0.53	3.19 2.94	0.09 -0.72	1.56	-0.05 -0.24	1.43 2.81	-0.69 0.85	0.94	2.58 2.03	-0.43 0.58	30
31			1.34 -0.31	2.96			-0.45 0.12	1.22 2.93	2.46 1.18	-0.70 0.64			31
MAXIMUM	NR		NR		4.47		3.63		3.22		NR		MAXIMUM
MINIMUM	NR		NR		-0.73		-0.73		-0.98		NR		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.34 - 2-15-69

ZERO OF GAGE: 1968 TO DATE 0.00 USGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

B95300 GRANT LINE CANAL AT TRACY ROAD BRIDGE  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.76 2.90	5.36 5.45	3.01 4.06	5.60 6.47	3.15 4.21	5.66 5.92	NR	NR	NR	NR	3.12 3.05	4.94 4.80	01
02	3.02 3.46	5.54 6.28	3.27 4.25	5.77 6.29	3.19 4.34	5.88 6.16	NR	NR	NR	NR	3.18 2.77	4.85	02
03	3.10 3.46	5.58 5.40	3.16 4.14	5.65 6.08	3.18 4.10	5.78 6.28	2.46 2.93	4.73 4.32	NR	NR	3.68 4.92	2.95 2.53	03
04	2.82 3.49	5.37 5.70	3.05 4.14	5.61 6.58	3.72 4.66	6.50 6.26	2.37 2.86	4.70	NR	NR	4.82 5.42	3.47 2.76	04
05	2.80 3.65	5.29 5.76	3.10 4.10	5.16 5.92	3.43 3.92	5.65 5.76	4.07 4.86	2.60 2.84	5.08 5.72	3.72 2.86	5.19 5.63	3.87 2.85	05
06	2.67 3.70	5.16 5.70	2.99 3.92	5.71 5.91	2.98 3.51	5.68	3.70 5.43	2.90 2.97	4.98 5.79	3.74	4.88 5.48	4.11 2.72	06
07	2.50 3.97	5.19 6.12	2.84 3.86	5.40	5.22 5.45	2.97 3.28	4.64 5.61	3.41 2.75	4.94 2.82	5.30 6.01	4.38 5.94	3.91 3.46	07
08	2.75 4.04	5.41	5.97 5.39	2.93 3.34	5.16 4.98	3.18 2.49	4.62 6.26	4.08	3.28 4.15	5.58 5.87	5.26 5.60	4.13	08
09	6.25 5.42	2.58 3.03	5.41 5.28	2.86 3.08	5.00 5.61	3.38	3.31 3.79	4.93 5.74	3.38 4.36	5.56 6.27	3.25 3.88	5.27 5.44	09
10	6.06 5.11	2.53 3.46	5.21 5.49	2.97	3.02 3.58	4.66 5.98	2.56 3.49	4.35 5.84	3.73 4.36	6.46 6.18	3.19 3.60	5.99 6.28	10
11	5.82 5.44	2.57 3.10	2.93 3.05	5.16 6.09	3.13 3.82	5.31 6.05	2.49 3.42	5.31 5.47	3.53 3.96	5.05 5.79	3.40 3.61	5.41 6.26	11
12	5.08 5.34	2.43 2.78	2.93 3.27	4.89 6.02	3.10 3.93	5.35 6.70	2.46 3.17	4.27 4.74	3.40 3.93	5.87 5.96	3.47 3.62	5.95 5.33	12
13	5.36 5.58	2.65	2.90 3.57	5.82 6.60	3.20 3.78	5.44 5.46	2.13 3.82	4.08 5.13	3.62 4.26	6.32 6.16	3.41 3.75	5.46 6.14	13
14	2.71 2.75	5.06 5.74	3.10 3.79	5.00 6.83	2.86 3.68	4.50 5.89	2.19 3.08	4.64 4.92	4.84 4.38	6.41 5.85	3.64 3.41	5.54 5.71	14
15	2.84 2.83	4.86 5.75	3.30 4.01	5.50 6.29	2.88 3.68	4.61 5.20	2.19 3.13	4.41 4.94	3.79 3.87	5.30 5.32	3.57 3.45	5.60 5.65	15
16	2.48 2.99	4.73 5.95	3.12 4.04	5.42 6.14	2.70 3.20	3.71 5.37	2.33 3.13	4.66 4.68	3.72 4.04	5.90 4.95	4.20 3.71	6.39 5.65	16
17	2.50 3.15	4.59 5.70	3.04 3.96	5.00 5.53	2.60 3.64	4.34 5.86	2.25 2.87	4.49 4.43	3.70 3.50	5.31 4.74	3.85 3.26	6.29 5.41	17
18	2.47 3.40	4.66 6.25	2.79 4.17	5.32 5.83	2.79 3.83	4.74 6.42	2.14 2.66	3.96 3.74	3.52 3.16	5.50	3.99 3.34	6.43 5.35	18
19	2.62 3.81	5.14 6.05	2.81 3.89	5.21 5.29	NR	NR	2.24 2.38	3.96	4.54 5.70	3.72 3.12	4.17 3.43	6.56	19
20	2.79 4.01	5.53 6.29	2.68 3.96	5.00 5.69	NR	NR	3.82 4.63	2.34 2.37	4.81 5.90	4.00 3.00	5.15 5.84	4.34 3.87	20
21	2.59 3.84	4.69 5.47	2.98 4.67	5.90 5.59	NR	NR	3.84 5.11	2.89 2.24	4.96 5.90	4.05 2.84	5.38 5.76	4.24 3.64	21
22	2.35 4.01	5.10	3.67 3.48	5.43	NR	NR	4.09 5.34	3.20 2.27	2.82 3.61	4.70 5.14	5.88 6.22	4.65 3.52	22
23	5.86 4.88	2.62 3.68	4.75 4.01	2.71 2.93	NR	NR	4.27 5.56	3.45	2.60 3.38	4.29 4.89	5.32 5.55	4.22 3.40	23
24	5.39 4.93	2.49 3.38	4.21 4.76	2.74 2.95	NR	NR	2.41 3.54	4.60 5.68	2.66 3.30	4.39 5.44	5.47 6.15	4.03	24
25	5.34 5.30	2.76 3.37	4.42 5.68	3.26	NR	NR	2.51 3.56	4.83 5.51	2.92 3.48	5.52 5.65	3.67 4.96	6.92 7.08	25
26	5.53 5.25	3.15 3.36	2.94 3.42	4.99 5.75	NR	NR	2.67 3.66	4.77 5.56	3.18 3.34	5.08 5.51	4.40 4.51	6.71 6.24	26
27	5.58 5.47	3.26	2.96 3.67	5.18 5.87	NR	NR	2.67 3.60	4.43 5.78	3.03 3.84	4.70 4.94	3.94 4.25	6.78 6.03	27
28	3.26 4.00	5.93 6.68	3.01 3.89	5.13 5.88	NR	NR	2.64 2.99	4.90 5.34	2.92 2.98	4.78	3.98 3.65	6.68 5.56	28
29	3.84 3.69	5.80 6.19	3.03 3.84	4.78 6.23	NR	NR	2.56 3.37	4.63			3.80 3.52	6.09 5.45	29
30	3.15 3.72	5.56 5.74	3.07 4.05	5.23 6.36	NR	NR	5.09 5.60	3.33 3.02			3.87 3.41	5.83 5.16	30
31	3.06 3.74	5.51 5.95			NR	NR	NR	NR			4.19 3.98	6.55 5.96	31
MAXIMUM	6.60		6.83		NR		NR		NR		7.08		MAXIMUM
MINIMUM	2.35		2.60		NR		NR		NR		2.53		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 49 13, LONG. 121 26 55, NE SEC. 29, T15, R5E,  
AT TRACY ROAD BRIDGE CROSSING, 5 MILES NORTH OF TRACY.  
STATION WAS DISCONTINUED OCTOBER 4, 1966, AND REACTIVATED \*  
MARCH 1, 1968.

PERIOD OF RECORD: OCT 1940 TO SEPT 1966  
MAR 1968 TO DATE



TABLE 8-12 (CONTINUED)

## DAILY TIDES

895300 GRANT LINE CANAL AT TRACY ROAD BRIDGE  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.32 3.05	6.00	5.12 5.27	3.73 2.34	6.11 5.73	4.30 3.33	5.46 4.27	2.90 2.53	5.72 3.93	2.37 3.42	5.01 4.20	2.34 3.40	01
02	5.22 5.36	3.84 2.75	5.11 4.76	3.37 2.07	6.27 5.33	4.03 3.27	5.50 4.06	2.61 2.62	5.66 4.23	2.23 3.53	4.99 4.35	2.33 3.27	02
03	4.83 5.36	3.86 2.72	4.36 4.25	3.17 2.33	6.10 5.03	3.52 3.41	5.59 4.21	2.41 3.32	5.56 4.00	2.22 3.56	5.01 4.49	2.42 3.11	03
04	5.36 5.27	3.97 2.76	4.63 3.91	3.13 2.13	6.33 5.26	3.46 4.00	5.93 4.52	2.35 3.61	5.86 4.70	2.53 3.85	4.95 4.64	2.51 3.04	04
05	4.82 5.15	3.85 2.74	4.08 4.20	2.74 2.38	7.08 5.94	3.87 4.43	6.06 4.65	2.33 3.60	5.45 4.94	2.54 3.65	3.05 2.73	4.96 4.96	05
06	4.65 4.53	3.47 2.71	4.13 4.15	2.53 2.64	7.13 6.01	3.79 4.44	6.32 5.00	2.44 3.95	5.39 5.02	2.54 3.10	3.10 2.98	4.87 5.08	06
07	4.33 5.14	3.25 2.86	4.38 4.48	2.48 2.91	7.07 5.87	3.45 4.46	6.56 5.13	2.59 2.20	3.32 2.20	5.02 4.50	3.20 3.14	4.91 5.06	07
08	4.68 5.86	3.09	4.61 4.67	2.53 3.26	7.22 5.94	3.53	3.77 2.47	6.49 5.07	2.80 2.17	5.05 4.39	3.22 3.29	4.94 5.63	08
09	3.60 3.05	4.82 5.15	4.96 5.05	2.64	4.35 3.42	7.22 5.95	3.70 2.60	6.53 5.20	2.80 2.35	4.91 4.45	3.10 3.25	4.83 5.65	09
10	3.33 3.11	5.04 5.26	3.39 2.59	4.98 4.48	4.53 3.55	7.33 6.29	3.56 2.54	6.37 5.19	2.86 2.50	4.58 4.79	3.18 3.56	4.92 5.76	10
11	3.47 3.12	5.37 5.05	3.34 2.40	4.84 3.75	4.73 3.91	7.65 6.49	3.48 2.45	6.08 5.22	2.99 2.89	4.61 5.22	3.07 3.85	4.84 5.74	11
12	3.72 3.02	5.30 5.20	3.13 2.26	4.92 4.68	4.71 3.51	7.42 6.16	3.24 2.44	5.82 5.39	3.12 3.02	4.60 5.07	5.83 4.03	3.10 4.03	12
13	3.71 3.03	5.64 5.25	3.51 2.55	5.36 5.39	4.30 3.21	6.87 6.32	3.22 2.57	5.62 5.75	5.28 4.59	2.95 3.08	5.89 5.04	3.05 4.10	13
14	4.00 3.17	6.26 5.68	4.25 3.04	6.03 5.63	4.50 3.55	6.93	3.39 2.89	5.64	5.14 4.08	2.73 3.33	5.63 4.59	2.95 3.88	14
15	4.01 2.77	5.84 5.31	4.11 2.85	6.41	6.66 6.04	4.53 3.67	5.92 5.01	3.09 2.60	5.11 4.58	2.57 3.68	5.53 5.06	2.80 3.63	15
16	3.94 2.70	5.84	5.61 6.16	4.10 2.77	6.68 6.00	4.15 3.48	5.73 4.57	2.63 2.72	5.30 4.50	2.59 3.70	5.29 5.18	2.76 3.37	16
17	5.29 5.93	4.00 2.72	5.71 5.83	3.93 2.58	6.57 5.69	3.82 3.79	5.88 4.79	2.57 3.40	5.14 4.15	2.50 3.56	5.13 5.23	2.83	17
18	5.31 5.55	3.93 2.42	5.61 5.79	3.67 3.00	6.75 5.46	3.56 3.83	6.24 4.91	2.62 3.67	5.06 4.59	2.46 3.39	3.34 3.05	5.08 5.26	18
19	5.13 4.96	3.62 2.19	6.13 5.70	3.72 3.39	6.89 5.47	3.50 3.79	6.37 5.05	2.55 3.70	5.00 4.73	2.46 3.41	5.05 3.06	5.05 5.38	19
20	4.62 4.75	3.23 2.34	6.70 5.61	4.31 2.85	6.82 5.50	3.15 4.05	6.38 5.16	2.59 3.69	3.31 2.48	4.89 4.76	3.18 2.89	4.79 4.89	20
21	4.85 5.37	3.18 2.80	5.89 5.15	3.03 3.12	6.84 5.43	3.00 3.91	6.40 5.16	2.56	3.30 2.65	4.96 5.08	2.95 3.03	4.57 4.60	21
22	5.24 5.13	3.19 2.79	6.27 5.32	2.95 3.40	6.77 5.45	2.84	3.43 2.50	6.30 5.13	3.43 2.71	4.95 4.88	2.86 2.99	4.36 4.97	22
23	4.84 4.95	2.66 2.80	6.50 5.43	3.00 3.59	3.94 2.84	6.73 5.46	3.52 2.56	6.14 5.18	3.19 2.68	4.63 4.82	2.65 2.80	4.25 4.74	23
24	5.15 5.30	2.58	6.44 5.49	2.95	3.91 2.73	6.46 5.30	3.54 2.55	6.09 5.20	3.07 2.65	4.41 4.30	2.37 2.90	4.13 4.78	24
25	3.39 2.84	5.63 5.42	3.82 2.98	6.70 5.55	3.53 2.31	6.82 5.06	3.35 2.47	5.89 5.29	2.94 2.62	4.40 4.98	2.38 3.27	4.24 5.15	25
26	3.33 2.54	5.47 4.86	3.87 2.98	6.80 5.73	3.49 2.27	5.80 5.18	3.37 2.62	5.86 5.43	3.15 3.23	4.77 5.29	2.61 3.58	4.45 5.45	26
27	3.22 2.48	5.64 4.51	4.16 3.05	6.84 5.74	3.55 2.31	5.82 5.24	3.44 3.01	5.73 5.91	3.06 2.94	4.80 5.00	2.68 4.14	4.54 5.61	27
28	3.32 2.39	5.32 4.85	4.16 3.06	6.53 5.69	3.49 2.22	5.45	3.66 3.00	5.55 5.85	2.66 2.95	4.88 4.95	2.73 3.87	4.64	28
29	3.50 2.31	5.35 5.07	4.10 2.67	6.29	5.27 5.19	3.32 2.37	3.36 2.85	4.97	2.34 3.32	3.70	5.23 4.82	2.58 3.69	29
30	3.70 2.31	5.44	5.77 6.31	4.25 2.94	5.38 4.66	3.22 2.45	5.66 4.17	2.96 2.75	4.86 3.70	3.23 3.64	5.35 4.89	2.71 3.55	30
31			6.05 6.09	4.42 3.11			5.88 4.10	2.59 3.04	5.84 3.77	3.25 3.53			31
MAXIMUM	6.26		6.84		7.65		6.56		5.86		5.89		MAXIMUM
MINIMUM	2.19		2.07		2.22		2.33		2.17		2.33		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.7 - 12-11-50

ZERO OF GAGE: 1940 TO 1952 -3.66 USGS  
1952 TO 1953 -4.13 USGS  
1953 TO 1960 -2.13 USGS  
1960 -3.00 USGS  
1964 -3.56 USGS  
1964 TO DATE -3.00 USGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

895270 OLD RIVER NEAR BYRON  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.26 2.49	-0.15	-0.45 0.71	2.22 3.31	-0.37 1.00	2.34 3.26	1.00 2.02 2.39	-0.06 2.60 2.18	-0.15 -0.27	2.58 2.15			01
02	-0.11 0.34	2.41 3.15	-0.29 0.95	2.37 3.22	-0.31 1.13	2.56 3.27	-0.78 2.02	0.29 1.97	0.07 1.97	-0.05 -0.58	2.51 1.41		02
03	-0.08 0.37	2.48 2.72	-0.42 0.82	2.27 3.03	-0.27 1.08	2.66 3.09	-0.99 0.47	1.86 1.38	0.10 -0.26	2.92	-0.17 -0.05	2.28	03
04	-0.34 0.43	2.28 2.93	-0.56 0.80	2.21 3.20	-0.28 1.38	3.21 3.18	-1.01 0.54	2.00 1.10	2.15 3.36	1.04 -0.23	1.71 2.73	0.33 -0.58	04
05	-0.39 0.60	2.18 3.00	-0.54 0.79	2.10 2.86	-0.11 0.89	2.61 2.40	-0.81 -0.79	2.03	1.93 2.90	0.56 -0.62	2.08 2.92	0.77 -0.51	05
06	-0.51 0.68	2.04 2.92	-0.62 0.60	2.33 2.56	-0.57 0.09	2.38 1.84	0.87 2.64	-0.37 -0.44	1.79 2.77	0.50 -0.65	2.09 2.86	0.99 -0.62	06
07	-0.68 0.98	2.09 3.17	-0.71 0.58	2.31 2.61	-0.55 -0.20	2.54	1.76 2.84	0.29 -0.50	2.07 3.07	0.73 -0.42	1.81 3.18	0.93 0.20	07
08	-0.42 1.02	2.30 3.13	-0.56 -0.03	2.28	1.79 2.24	-0.29 -0.55	1.79 3.37	0.94 -0.12	2.32 3.04	0.79	2.55 2.95	0.98 -0.18	08
09	-0.61 0.80	2.32	2.08 2.27	-0.58 -0.32	1.63 2.67	-0.03 -0.54	1.99 2.89	0.53	-0.20 1.02	2.68 3.30	2.43 2.73	0.58 -0.22	09
10	2.97 2.22	-0.54 0.39	1.88 2.29	-0.45 -0.54	1.77 2.95	0.24 -0.46	-0.90 0.34	1.59 2.73	0.49 1.07	3.22 3.23	2.38 3.66	0.55	10
11	2.76 2.36	-0.66 0.00	1.84 2.76	-0.31 -0.58	1.95 3.02	0.49	-0.98 0.24	1.48 2.58	-0.81 0.57	2.61 2.88	-0.04 0.47	2.63 3.02	11
12	2.29 2.31	-0.77 -0.35	1.67 2.98	-0.07	-0.50 0.61	1.99 3.38	-1.03 -0.06	1.35 2.04	-0.19 0.50	2.61 3.30	0.03 0.24	2.73 2.54	12
13	2.32 2.53	-0.50 -0.45	-0.59 0.28	1.77 3.27	-0.42 0.60	2.06 2.77	-1.35 -0.18	1.04 2.12	0.11 0.89	3.12 2.99	-0.64 0.32	2.52 2.92	13
14	2.27 2.69	-0.35	-0.41 0.53	1.93 3.50	-0.77 0.38	1.56 2.78	-1.23 -0.06	1.46 2.06	0.29 0.86	3.13 2.57	0.20 -0.04	2.53 2.47	14
15	-0.54 -0.29	2.07 2.70	-0.21 0.77	2.41 3.23	-0.77 0.40	1.62 2.39	-1.18 -0.07	1.49 2.03	0.13 0.29	2.49 2.12	0.15 -0.10	2.61 2.53	15
16	-0.71 -0.10	1.96 2.90	-0.37 0.83	2.28 3.10	-0.95 0.37	1.47 2.63	-1.10 -0.11	1.05 1.79	0.09 0.41	2.69 1.54	0.84 0.15	2.63 2.33	16
17	-0.64 0.10	1.91 2.76	-0.47 0.75	2.01 2.64	-0.84 0.63	1.65 2.34	-1.18 -0.41	1.47 1.29	-0.10 -0.08	2.39 1.39	0.44 -0.34	2.97 2.11	17
18	-0.73 0.35	2.04 3.10	-0.71 0.97	1.99 2.70	-0.84 0.48	1.80 1.92	-1.26 -0.62	1.38 0.87	0.04 -0.46	2.38	0.64 -0.26	3.13 2.02	18
19	-0.57 0.78	2.15 3.01	-0.68 0.64	2.14 2.15	-1.04 0.24	1.71 1.53	-1.09 -0.46	1.42 0.32	1.26 2.04	0.36 -0.44	0.86 -0.11	3.27 2.12	19
20	-0.38 0.94	2.38 3.13	-0.69 0.79	1.95 2.39	-1.09 -0.09	1.71 0.95	-0.90 -0.44	1.69	1.61 2.85	1.00 -0.73	1.11 -0.54	2.81	20
21	-0.59 0.83	1.91 2.40	-0.38 1.51	2.90 2.29	-1.06 -0.10	1.69 1.09	0.84 2.17	-0.21 -1.05	1.63 2.75	0.66 -0.96	2.09 2.63	0.97 0.21	21
22	-0.42 1.01	2.15 2.69	-0.28 0.11	2.35	-0.73 -0.54	1.98	0.97 2.41	0.11 -1.17	1.42 2.39	0.23 -1.10	2.87 3.25	1.41 -0.05	22
23	-0.55 0.62	2.02	1.43 1.96	-0.43 -0.40	0.63 2.05	-0.48 -0.88	1.15 2.69	0.32 -1.06	1.40 2.34	0.00 1.00	2.50 2.84	0.85 -0.24	23
24	2.16 2.02	-0.74 0.25	1.12 1.96	-0.56 -0.41	0.66 2.16	-0.32 -1.03	1.41 2.82	0.36 -0.94	1.58 2.61	-0.07	2.41 3.14	0.59 0.12	24
25	2.11 2.18	-0.47 0.18	1.51 2.59	0.00 -0.60	1.13 2.54	0.04 -0.84	1.64 2.80	0.37	-0.64 0.09	2.28 2.63	3.59 3.94	1.64	25
26	2.26 2.38	-0.13 0.12	1.68 2.72	0.15 -0.49	1.40 2.98	0.49	-0.83 0.46	1.79 2.49	-0.32 -0.08	2.19 2.61	0.79 0.86	3.33 3.18	26
27	2.30 2.57	0.01 0.01	1.80 2.93	0.41	-0.06 0.85	1.93	-0.79 0.33	1.61 2.49	-0.48 -0.39	2.10 2.23	0.42 0.61	3.45 3.03	27
28	2.04 3.73	0.77 0.57	-0.50 0.64	1.98 3.03	-0.02 1.09	2.54 3.25	-0.79 -0.17	1.87 2.68	-0.50 -0.40	2.25 2.10	0.43 0.03	3.34 2.37	28
29	2.51 3.21	0.40	-0.47 0.62	1.83 3.18	-0.14 0.69	2.29 3.03	-0.81 -0.22	1.86 2.47			0.32 -0.07	3.19 2.47	29
30	-0.20 0.41	2.26 2.79	-0.45 0.85	2.22 3.15	-0.64 0.46	1.87 3.14	-0.50 -0.20	2.02 2.30			-0.47 -0.16	3.17 2.36	30
31	-0.38 0.48	2.17 2.95			-0.17 0.04	1.90 2.34	-0.65 -0.40	2.14 2.44			0.83 0.39	3.64 2.65	31
MAXIMUM	3.73		3.50		3.57		3.37		3.36		3.94		MAXIMUM
MINIMUM	-0.82		-0.89		-1.09		-1.35		-1.10		-0.85		MINIMUM

LOCATION: LAT. 37 53 26, LONG. 121 34 09, NE SEC 31, T3N, R4E,  
AT HIGHWAY 4 BRIDGE, 4.2 MILES EAST OF BYRON.

PERIOD OF RECORD: MAY 1963 TO DATE

TABLE B-12 (CONTINUED)  
DAILY TIDES  
805270 OLD RIVER NEAR BYRON  
(APRIL 14 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.93 -0.60	2.42 2.00	0.72 -0.96	2.40	3.03 2.48	1.15 -0.04	2.52 1.21	-0.23 -0.58	-0.69 0.53	1.17	2.65 1.58	-0.85 0.41	01
02	0.57 -0.62	2.43	2.11 1.80	0.54 -1.19	3.07 2.10	-0.73 0.20	2.63 1.01	-0.53 -0.22	2.92 1.32	-0.93 0.70	2.61 1.64	-0.84 0.28	02
03	1.90 2.31	0.68 -0.73	1.86 1.47	0.20 -0.91	2.94 1.74	0.14 0.04	2.72 1.15	-0.75 0.32	2.97 1.45	-0.88 0.77	2.68 1.87	-0.74 0.07	03
04	2.23 2.24	0.86 -0.59	2.12 1.20	0.06 -1.14	3.14 1.96	0.00 0.67	3.01 1.46	-0.80 0.67	3.28 2.02	-0.54 0.84	2.64 2.04	-0.63 -0.02	04
05	2.20 2.08	0.74 -0.59	1.67 1.12	-0.47 -0.62	3.84 2.61	0.39 1.10	3.14 1.59	-0.86 0.65	3.18 2.14	-0.55 0.69	2.63 2.32	-0.38 0.00	05
06	2.88 1.94	0.30 -0.61	1.71 1.23	-0.74 -0.62	3.88 2.70	0.31 1.15	3.34 1.92	-0.77 0.94	3.12 2.15	-0.52 0.33	-0.02 -0.12	2.62 2.54	06
07	1.92 2.08	0.03 -0.46	1.56 1.50	-0.81 -0.34	3.80 2.57	-0.11 1.14	3.55 2.07	-0.63 0.70	2.76 1.75	-0.92 1.00	0.07 0.02	2.53 2.72	07
08	2.18 2.15	-0.17 -0.33	2.17 1.78	-0.80 0.05	3.95 2.63	-0.10 1.12	3.53 2.05	-0.73 0.71	-0.20 -0.93	2.55 1.55	0.07 0.14	2.45 3.04	08
09	2.22 2.24	-0.31 -0.05	2.49 1.96	0.70 0.21	3.92 2.64	-0.25 1.20	3.57 2.17	-0.61 0.71	-0.21 -0.74	2.48 2.03	-0.04 0.15	2.22 3.08	09
10	2.38 2.19	-0.36 0.09	2.53 1.73	-0.79 0.19	4.03 2.96	-0.11 1.20	3.54 2.06	3.41 2.28	-0.15 -0.55	2.48 2.35	0.04 0.52	2.24 3.21	10
11	2.50 2.41	-0.37	2.45 1.29	-1.02 0.06	4.51 3.18	0.34 1.18	4.45 2.73	3.14 2.28	0.01 -0.14	2.45 2.81	-0.09 0.85	2.15 3.25	11
12	0.42 -0.45	2.68 2.10	2.35 1.82	-1.13	4.18 2.87	0.16 1.20	3.89 2.42	-0.16 -0.75	3.10 2.02	2.37 2.90	-0.07 1.02	2.19 3.26	12
13	0.42 -0.46	2.65 2.15	0.45 -0.81	2.68 2.43	4.04 2.80	3.60 3.07	3.15 2.57	2.66 2.07	-0.11 0.10	1.74 2.84	-0.14 1.05	2.19 3.18	13
14	0.80 -0.28	3.11 2.46	1.29 -0.30	3.26 2.48	4.36 3.08	3.69 3.45	3.36 -0.26	2.66 3.09	-0.31 0.42	1.05	3.06 2.07	-0.27 0.81	14
15	0.83 -0.70	2.91 2.11	0.99 -0.61	3.35 2.44	4.23 3.15	3.34 3.43	-0.01 -0.49	2.01 2.84	2.85 1.86	-0.47 0.72	2.82 2.20	-0.29 0.55	15
16	0.81 -0.78	2.89 2.11	0.95 -0.67	3.65 2.54	4.72 -0.19	2.69	-0.48 -0.32	1.56	3.01 1.79	-0.50 0.73	2.70 2.25	-0.42 0.27	16
17	0.70 -0.73	2.81	0.80 -0.48	2.62	3.43 2.38	0.30 0.22	2.96 1.79	-0.55 0.37	2.86 1.82	-0.63 0.63	2.55 2.34	-0.34 0.23	17
18	2.16 2.44	0.05 1.00	2.43 2.54	0.50 -0.43	3.54 2.15	-0.03 0.25	3.36 1.92	-0.55 0.60	2.76 1.65	-0.72 0.36	2.55 2.45	-0.10 0.28	18
19	1.98 2.05	0.51 -1.20	2.93 2.47	0.43 -0.03	3.64 2.11	-0.18 0.29	3.43 2.04	-0.62 -0.67	2.65 1.84	-0.74 0.24	2.48 2.42	-0.09 0.00	19
20	1.81 1.93	0.08 -1.02	3.46 2.25	0.86 -0.63	3.54 2.22	-0.50 0.71	3.43 2.13	-0.61 0.72	2.46 1.92	-0.75 0.21	0.83 -0.25	2.17 2.18	20
21	2.03 2.24	-0.01 -0.56	2.71 1.91	-0.43 -0.20	3.63 2.21	-0.48 0.72	3.44 2.15	-0.62 0.50	2.51 2.17	-0.51	-0.21 -0.09	2.09 2.17	21
22	2.40 2.35	-0.07 -0.40	3.09 2.10	-0.49 0.10	3.61 2.28	-0.57 0.75	3.38 2.16	-0.65 0.54	2.37 1.65	2.52 2.13	-0.30 -0.13	1.82 2.25	22
23	2.36 2.08	-0.59 -0.42	3.31 2.21	0.44 0.33	3.58 2.32	-0.63 0.85	3.24 2.23	-0.58	0.10 -0.47	2.27 2.06	-0.54 -0.31	1.59 2.08	23
24	2.49 2.33	-0.69 0.26	3.45 2.28	-0.53 0.42	3.34 2.18	-0.59	0.54 -0.57	3.21 2.25	-0.04 -0.48	2.95 1.85	-0.09 -0.17	1.38 2.15	24
25	2.99 2.37	-0.43	3.55 2.33	-0.52	0.51 -1.07	2.93 1.98	0.39 -0.66	2.98 2.34	-0.14 -0.25	1.40 2.36	-0.04 0.24	1.44 2.44	25
26	0.16 -0.62	2.82 1.94	0.66 -0.49	3.59 2.53	0.41 -1.05	2.72 2.10	0.39 -0.44	2.87 2.54	0.10 0.19	2.05 2.69	-0.54 0.05	1.67 1.47	26
27	0.07 -0.89	2.89 1.84	0.96 -0.45	3.68 2.61	0.51 -1.01	2.72 2.17	0.45 -0.07	2.78 2.94	-0.02 -0.08	1.65 2.45	-0.40 1.10	1.76 2.82	27
28	0.20 -0.97	2.59 1.95	0.96 -0.46	3.41 2.46	0.41 -1.06	2.35 2.23	0.61 -0.05	2.58 2.94	-0.44 -0.03	1.26 2.35	-0.43 0.88	1.83 2.57	28
29	0.44 -1.02	2.68 2.05	0.92 -0.83	3.13 2.45	0.21 -0.88	2.09 2.34	-0.33 -0.25	2.01 2.77	-0.76 0.35	1.10 2.38	-0.69 0.66	1.45 0.00	29
30	0.67 -0.98	2.69 2.10	1.00 -0.53	3.09 2.90	0.10 -0.80	1.54	-0.04 -0.23	1.46 2.75	-0.91 0.64	1.11 2.61	2.63 2.00	-0.45 0.47	30
31			1.32 -0.32	2.84			-0.44 0.12	1.22 2.90	-0.89 0.65	1.32			31
MAXIMUM		3.11	3.68		4.34		3.57		3.28		3.26		MAXIMUM
MINIMUM		-1.20	-1.19		-1.07		-0.86		-0.93		-0.85		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 6.17 - 2-15-69

ZERO OF GAGE: 1963 TO 1964 -00.42 MGS  
1964 TO DATE 16.00 MGS

TABLE R-12 (CONTINUED)

## DAILY TIDES

 895180 OLD RIVER NEAR ROCK SLOUGH  
 (OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.48 5.99	3.05	2.51 3.73	5.24 6.49	2.57 4.07	5.35 6.75	1.94 3.12	5.05 5.67	3.18 3.25	6.25 5.60	3.03 2.96	6.22 5.55	01
02	3.12 3.52	5.81 6.35	2.64 3.99	5.36 6.50	2.63 4.20	5.58 6.66	2.17 2.95	5.26 5.15	3.50 3.26	6.63 5.26	3.16 2.61	6.13 4.90	02
03	3.12 3.60	5.67 6.25	2.52 3.87	5.25 6.31	2.71 4.14	5.73 6.47	1.99 2.57	5.19 4.59	3.30 2.94	6.43	2.96 2.35	5.88 4.85	03
04	2.86 3.05	5.48 6.36	2.38 3.85	5.18 6.21	3.27 4.43	6.21 6.43	2.02 2.47	5.51 4.30	5.29 4.27	4.27 2.95	3.57 2.64	6.20	04
05	2.81 3.81	5.36 6.40	2.40 3.86	5.32 6.00	2.84 3.63	5.84 5.41	2.22 2.23	5.54	5.06 6.31	3.77 2.53	5.23 6.33	4.01 2.68	05
06	2.69 3.90	5.22 6.30	2.32 3.65	5.32 5.57	2.38 3.11	5.65 4.85	4.19 6.12	2.71 2.57	4.89 6.13	3.71 2.48	5.38 6.28	4.24 2.60	06
07	2.53 4.22	5.28 6.54	2.25 3.65	5.60 5.62	2.43 2.81	5.82	4.76 6.30	3.39 2.48	5.18 6.41	3.93 2.70	5.31 6.66	4.15 3.37	07
08	2.79 4.26	5.46 6.29	2.40 3.00	5.51	4.78 5.72	2.71 2.43	5.10 6.82	4.10 2.92	5.40 6.48	3.98 2.93	5.89 6.32	4.20 2.99	08
09	2.80 4.04	5.49 6.14	5.11 5.11	2.42 2.70	4.52 6.00	2.99 2.43	5.24 6.21	3.66 2.21	5.99 4.21	4.21 3.67	5.64 6.18	3.82 2.93	09
10	2.56 3.64	5.54	4.91 5.66	2.56 2.44	4.84 6.26	3.32 2.49	4.79 6.10	3.50	6.29 6.57	4.20	5.77 6.16	3.72 3.11	10
11	5.96 5.57	2.60 3.21	4.86 5.80	2.71 2.39	4.94 6.32	3.53 2.42	2.09 3.39	4.71 6.02	3.11 3.74	5.71 6.21	5.92 6.13	3.61 3.18	11
12	5.68 5.56	2.48 2.87	4.88 6.05	2.97 2.37	4.98 6.41	3.66	2.05 3.12	4.67 5.56	2.93 3.67	5.71 6.24	5.83 5.88	3.38 3.13	12
13	5.55 5.77	2.70 2.74	5.06 6.32	3.32	2.51 3.63	5.05 6.14	1.75 2.98	4.46 5.55	3.27 4.06	6.27 6.24	5.91 6.02	3.45	13
14	5.50 5.94	2.84 2.66	2.52 3.59	5.20 6.52	2.14 3.48	4.80 6.04	4.69 3.11	4.69 5.43	3.45 3.90	6.22 5.77	3.34 3.07	5.85 5.57	14
15	5.39 5.95	2.93	2.76 3.85	5.42 6.53	2.15 3.46	4.83 5.80	1.95 3.11	4.84 5.28	3.23 3.42	5.86 5.32	2.88 2.98	5.95 5.58	15
16	2.47 3.12	5.28 6.14	2.58 3.91	5.29 6.38	1.98 3.45	4.73 5.64	2.02 3.05	4.99 4.98	3.25 3.44	6.04 4.70	3.96 3.21	6.51 5.36	16
17	2.50 3.32	5.29 6.21	2.49 3.85	5.24 6.02	2.08 3.62	4.96 5.60	1.96 2.75	4.86 4.43	3.18 3.06	5.71 4.45	3.56 2.75	6.03 5.13	17
18	2.44 3.55	5.26 6.31	2.27 4.06	5.26 5.92	2.11 3.56	5.09 5.12	1.91 2.58	4.85 6.14	3.20 2.69	5.71 4.29	3.77 2.81	6.16 5.04	18
19	2.81 3.98	5.50 6.43	2.29 3.81	5.15 5.35	1.93 3.32	5.02 4.63	2.11 2.21	4.94 3.66	3.55 2.71	6.03	4.02 3.01	6.30 5.22	19
20	2.80 4.21	5.55 6.29	2.10 3.90	5.21 5.39	1.90 2.99	4.96 4.12	2.32 2.22	5.18	4.83 6.19	4.13 2.38	4.28 2.58	6.06	20
21	2.61 4.05	5.31 5.77	2.66 4.06	5.31 5.32	1.99 2.99	5.16 4.12	3.94 3.61	3.01 2.11	4.63 6.03	3.82 2.12	5.12 5.94	4.16 3.34	21
22	2.39 4.20	5.44 5.79	2.76 3.18	5.61 4.45	2.32 2.43	5.36	4.69 5.79	3.33 1.95	4.48 5.83	3.39 1.99	6.14 6.49	4.59 3.05	22
23	2.63 3.00	5.41 5.24	2.43 2.66	5.32	3.84 5.38	2.55 2.09	4.24 6.06	3.49 2.06	4.71 5.88	3.18 2.10	5.82 6.25	4.02 2.82	23
24	2.40 3.43	5.37	4.28 5.39	2.50 2.66	3.85 5.53	2.77 1.96	4.53 6.22	3.54 2.14	4.95 6.05	3.06 2.43	5.85 6.39	3.73 3.23	24
25	5.20 5.54	2.67 3.35	4.80 5.86	3.08 2.51	4.16 5.96	3.15 2.14	4.75 6.35	3.55 2.39	5.39 6.19	3.21	6.69 7.22	4.73 3.81	25
26	5.36 5.79	2.99 3.24	4.69 6.04	3.22 2.50	4.63 6.35	3.57 2.31	5.02 6.52	3.61	2.76 3.03	5.62 5.92	6.34 6.37	3.77 3.48	26
27	5.38 5.92	3.11 3.11	4.89 6.26	3.46 2.46	4.99 7.04	4.03	2.34 3.37	4.94 6.38	2.02 2.75	5.58 5.62	6.53 6.24	3.59 3.46	27
28	5.75 6.87	3.88 3.68	5.07 6.46	3.72	2.98 4.04	5.53 6.65	2.32 3.06	5.03 6.15	2.67 2.76	5.83 5.48	6.41 5.64	3.03	28
29	5.59 6.27	3.45 2.64	2.49 3.69	5.10 6.46	2.76 3.59	5.29 6.49	2.33 2.94	5.18 5.77			3.42 2.99	6.63 5.73	29
30	5.33 6.18	3.45	2.49 3.94	5.25 6.68	2.30 3.49	5.06 6.42	2.34 2.98	5.45 5.66			3.62 2.96	6.65 5.76	30
31	2.60 3.54	5.19 6.29			2.60 2.99	4.84 5.67	2.52 2.93	5.63 5.68			4.03 3.28	6.90 5.65	31
MAXIMUM	6.87		6.68		7.04		6.82		6.83		7.22		MAXIMUM
MINIMUM	2.39		2.10		1.90		1.75		1.99		2.35		MINIMUM

 LOCATION: LAT. 37 59 25, LONG. 121 34 45, SW SEC. 30, T2N, R1E,  
 ON AMERICAN ISLAND (FORMERLY HOLLAND TRACT), 1.2 MILES  
 NORTH OF ROCK SLOUGH, 4.7 MILES NORTHEAST OF KNIGHTSSEN.

PERIOD OF RECORD: MAR 1945 TO DATE

TABLE B-12 (CONTINUED)  
DAILY TIDES  
895100 OLD RIVER NEAR ROCK SLOUGH  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.06 2.50	6.25 5.10	3.99 2.29	5.03 5.34	4.37 3.07	5.55	NR	NR	2.57 3.76	4.54	6.27 4.99	2.37 3.59	01
02	3.79 2.34	5.73	3.02 2.10	5.25	6.26 5.16	3.92 3.06	NR	NR	6.31 4.71	2.43 3.95	6.18 5.10	2.35 3.46	02
03	5.09 5.02	3.92 2.47	5.37 4.90	3.48 2.37	6.14 4.81	3.32 3.24	2.51 3.54	4.35	6.43 4.95	2.36 4.07	6.27 5.29	2.44 3.29	03
04	5.36 5.56	4.10 2.62	5.63 4.95	3.32 2.11	6.29 5.03	3.16 3.90	6.25 4.62	2.43 3.06	6.76 5.40	2.70 4.11	6.24 5.49	2.56 3.20	04
05	5.61 5.46	3.99 2.63	5.29 4.35	2.76 2.34	6.98 5.63	3.53 4.30	6.39 4.73	2.35 3.05	6.04 5.47	2.68 3.96	6.26 5.77	2.60 3.19	05
06	5.51 5.38	3.52 2.60	5.23 4.49	2.49 2.64	7.05 5.77	3.44 4.37	6.60 5.07	2.41 4.17	6.76 5.41	2.65 3.59	6.22 6.09	3.07	06
07	5.50 5.42	3.27 2.75	5.51 4.73	2.40 2.92	6.94 5.66	3.02 4.35	6.77 5.25	2.57 4.04	6.42 5.12	2.27 3.64	3.26 3.22	6.11 6.36	07
08	5.45 5.40	3.05 2.87	5.74 5.00	2.42 3.29	7.11 5.69	2.98 4.35	6.75 5.25	2.45 3.94	6.09 5.34	2.28	3.26 3.41	6.01 6.56	08
09	5.66 5.42	2.88 3.16	6.06 5.13	2.51 3.43	NR	NR	6.80 5.37	2.58 3.78	3.03 2.50	6.03 5.65	3.12 3.34	5.67 6.59	09
10	5.83 5.48	2.79 3.27	6.13 5.10	2.37 3.43	NR	NR	6.62 5.41	2.52	3.09 2.69	5.91 5.96	3.24 3.71	5.67 6.69	10
11	5.93 5.52	2.76 3.58	6.05 4.84	2.16 3.20	NR	NR	3.69 2.46	6.41 5.52	3.22 3.09	5.87 6.37	3.11 4.02	5.56 6.73	11
12	6.16 5.39	2.64 3.59	6.03 5.05	2.07 3.71	NR	NR	3.52 2.49	6.11 5.72	3.34 3.24	5.56 6.47	3.13 4.22	5.55 6.71	12
13	6.28 5.54	2.71	6.00 5.66	2.34	NR	NR	3.39 2.62	5.87 6.11	3.12 3.31	5.24 6.45	3.04 4.24	5.63 6.50	13
14	4.01 2.84	6.58 5.57	4.51 2.87	6.84 5.63	NR	NR	3.60 3.02	5.65 6.37	2.93 3.60	5.11 6.50	2.91 3.97	5.56	14
15	4.01 2.37	6.30 5.21	4.22 2.55	6.49 5.60	NR	NR	3.25 2.73	5.20 6.13	2.77 3.87	5.19	6.30 5.54	2.79 3.77	15
16	4.08 2.37	6.22 5.21	4.16 2.46	6.26 5.67	NR	NR	2.75 2.90	4.74	6.63 5.27	2.74 3.93	6.13 5.51	2.77 3.47	16
17	4.18 2.46	6.11 5.30	4.02 2.24	5.89 5.58	NR	NR	6.33 5.01	2.64 3.65	6.50 5.40	2.60 3.84	6.01 5.04	2.84 3.42	17
18	4.06 2.16	5.73	3.71 2.73	5.65	NR	NR	6.64 5.10	2.66 3.84	6.39 5.27	2.49 3.58	6.04 5.79	3.08 3.47	18
19	5.10 5.41	3.72 1.93	6.08 5.61	3.62 3.24	NR	NR	6.66 5.24	2.56 3.94	6.22 5.25	2.46 3.46	5.97 5.78	3.09 3.21	19
20	5.09 5.27	3.29 2.13	6.00 5.18	3.75 2.47	NR	NR	6.67 5.33	2.50 3.96	6.05 5.34	2.45 3.43	5.65 5.63	2.93 2.97	20
21	5.45 5.50	3.19 2.66	5.91 5.02	2.65 2.98	NR	NR	6.64 5.33	2.57 3.83	6.10 5.60	2.69 3.58	5.59 5.72	3.10	21
22	5.89 5.58	3.16 2.73	6.29 5.21	2.62 3.28	NR	NR	6.59 5.36	2.55 3.78	6.11 5.56	2.76	2.89 3.08	5.36 5.68	22
23	5.88 5.30	2.63 2.78	6.50 5.34	2.66 3.51	NR	NR	6.55 5.44	2.63 3.78	3.34 2.75	5.83 5.38	2.66 2.90	5.80 5.54	23
24	6.05 5.67	2.56 3.48	6.65 5.42	2.56 3.81	NR	NR	6.46 5.48	2.65	3.20 2.74	5.63 5.57	2.37 3.06	4.80 5.64	24
25	6.54 5.59	2.74 3.37	6.81 5.45	2.55 3.85	NR	NR	3.67 2.55	6.19 5.57	3.10 2.99	5.45 5.82	2.38 3.41	4.81 5.86	25
26	6.32 5.21	2.33 3.29	6.73 5.66	2.60	NR	NR	3.68 2.74	6.07 5.76	3.34 3.43	5.55 6.15	NR	NR	26
27	6.33 5.15	2.29	4.19 2.62	6.80 4.63	NR	NR	3.74 3.15	5.96 6.15	3.22 3.15	5.05 5.91	NR	NR	27
28	3.45 2.18	6.20 5.16	4.15 2.55	6.52 5.56	NR	NR	3.88 3.19	5.74 6.18	2.82 3.21	4.53 5.83	NR	NR	28
29	3.68 2.18	6.10 5.27	4.13 2.30	6.22 5.68	NR	NR	3.60 3.07	5.22 6.03	2.48 3.47	4.47 5.89	NR	NR	29
30	3.93 2.24	6.10 5.12	4.42 2.60	6.19 5.66	NR	NR	3.21 3.02	4.65 5.97	2.34 3.91	4.60 6.14	NR	NR	30
31			4.53 2.83	5.93 6.14			2.81 3.33	4.36 6.10	2.33 3.97	4.84			31
MAXIMUM	6.58	6.84			NR		NR		6.84		NR		MAXIMUM
MINIMUM	1.93	2.07			NR		NR		2.27		NR		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 10.0 - 12-26-55

ZERO OF GAGE: 1945 -3.00 USGS  
1964 -1.58 USGS  
1964 TO DATE -3.00 USGS

TABLE 8-12 (CONTINUED)  
DAILY TIDES  
B94175 HOKELUMME RIVER NEAR THORNTON  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	0.94 1.08	2.97 3.00	1.12 1.71	2.78 3.06	1.05 1.96	2.89 4.20	0.88 0.87	2.55 3.15	0.97 1.17	3.78 3.24	0.65 0.71	3.60 2.90	01
02	1.20 1.53	3.09 3.87	1.06 1.84	2.85 3.96	1.12 2.09	3.12 4.14	0.15 0.68	2.73 2.58	1.24 1.39	4.04 2.84	0.78 0.36	3.50 2.31	02
03	1.30 1.54	3.15 3.76	0.94 1.74	2.74 3.78	1.29 1.68	3.38 4.02	-0.11 0.31	2.65 1.99	1.90 1.81	4.07 2.68	0.53 0.97	3.46 2.47	03
04	1.08 1.54	2.97 3.82	0.77 1.65	2.66 3.63	0.75 1.63	3.45 3.65	-0.20 0.21	2.97 1.68	3.23 4.34	2.68 2.04	1.62 1.15	3.77 2.47	04
05	0.99 1.57	2.83 3.63	0.68 1.64	2.74 3.41	0.23 1.06	3.16 2.70	-0.12 0.01	3.01	3.02 4.04	2.46 2.52	2.78 3.81	3.94 1.18	05
06	0.90 1.65	2.67 3.74	0.54 1.35	2.76 2.95	-0.10 0.47	2.98	1.65 3.58	0.35 0.38	3.24 3.83	2.67 3.80	2.89 3.89	2.18 1.24	06
07	0.78 1.91	2.70 3.95	0.30 1.38	3.05 3.02	2.14 3.07	-0.25 0.13	2.15 3.69	0.88 0.50	1.57 2.02	2.86 3.80	3.03 4.07	2.36 1.33	07
08	1.04 1.98	2.94 3.71	0.40 0.85	2.90	2.07 3.01	-0.08 -0.31	2.59 4.33	1.86	1.00 1.83	2.87 3.40	3.30 3.88	1.98 2.68	08
09	0.93 1.90	3.03	2.54 3.08	0.34 0.56	1.82 3.24	0.11 -0.29	1.30 1.83	2.77 3.70	1.61 2.49	3.52 4.33	4.21 5.17	4.16	09
10	3.62 3.08	0.90 1.59	2.35 3.16	0.38 0.40	2.10 3.46	0.46	1.16 1.81	2.54 3.70	3.214	8.454	4.73 4.57	5.13 4.91	10
11	3.42 3.03	0.89 1.23	2.28 3.29	0.52	-0.24 0.65	2.19 3.51	0.84 1.42	2.33 3.59	8.454	7.144	3.95 3.43	4.35 4.16	11
12	3.20 3.13	0.80 1.06	0.37 0.77	2.37 1.51	-0.31 0.77	2.21 3.57	0.49 1.03	2.21 3.14	7.104	4.944	2.90 2.61	3.79 3.70	12
13	3.11 3.34	0.96	0.45 1.05	2.54 3.73	-0.23 0.71	2.25 3.34	0.03 0.77	2.00 3.04	4.32 4.10	4.81	2.24 2.23	3.62 3.65	13
14	1.01 1.06	3.06 3.50	0.53 1.25	2.64 3.90	-0.59 0.60	2.06 3.25	-0.04 0.77	2.18 2.89	5.124	7.964	2.20 2.99	3.65 4.50	14
15	0.91 1.05	2.91 3.49	0.78 1.53	2.85 3.93	-0.62 0.59	2.07 3.05	-0.04 0.73	2.32 2.70	7.794	6.054	4.47 4.75	5.27 5.04	15
16	0.75 1.16	2.81 3.68	0.72 1.59	2.75 3.78	-0.78 1.14	2.00 3.08	-0.11 0.64	2.45 2.38	5.28 3.97	4.38 3.97	4.53 3.98	5.08 4.34	16
17	0.83 1.33	2.61 3.72	0.65 1.52	2.69 3.47	0.12 1.13	2.39 3.04	-0.23 0.35	2.34 1.79	2.95 2.34	3.83 2.72	4.19 4.67	5.12 4.87	17
18	0.80 1.49	2.78 3.79	0.47 1.68	2.77 3.34	0.14 1.14	2.57 2.52	-0.38 0.16	2.32 1.50	1.93 1.36	3.47	4.43 3.74	4.82 4.10	18
19	0.93 1.83	2.99 3.87	0.43 1.47	2.57 2.76	-0.08 0.94	2.50 2.00	-0.26 -0.16	2.39 0.98	2.15 3.59	1.65 1.13	3.87 3.55	4.63 3.55	19
20	1.06 1.97	3.04 3.69	0.23 1.55	2.65 2.78	-0.21 0.63	2.42 1.51	-0.19 -0.14	2.62	2.47 3.61	1.91 1.04	3.95 4.27	3.66 3.03	20
21	0.85 1.75	2.69 3.20	0.73 2.36	3.86 2.79	-0.21 0.64	2.64 1.49	1.29 3.04	0.39 -0.16	2.46 3.44	2.09 1.25	3.76 4.28	3.51 3.59	21
22	0.66 1.92	2.69 3.25	0.84 1.16	3.09	0.00 0.13	2.60	1.45 3.16	0.69 -0.26	2.43 3.45	1.77	4.024	5.804	22
23	0.83 1.65	2.95	1.97 2.86	0.56 0.91	1.16 -0.22	0.05	1.60 3.45	0.84 -0.15	0.80 1.30	2.40 3.39	5.914	7.534	23
24	0.65 1.39	2.88	1.85 3.00	0.70 0.90	1.14 2.56	0.26 -0.18	1.83 3.57	0.90	0.52 1.04	2.51 3.47	7.164	5.744	24
25	2.65 3.06	0.82 1.35	2.40 3.35	1.17 0.85	1.54 3.37	0.62 0.01	-0.08 0.92	2.14 3.72	0.60 1.05	2.80 3.56	5.19 5.71	6.06 6.03	25
26	2.82 3.34	1.62 1.20	2.24 3.59	1.24	1.99 3.73	1.03	0.13 1.05	2.39 3.76	0.73 0.84	3.04 3.02	6.214	9.044	26
27	2.85 3.43	1.06 1.15	0.90 1.45	2.48 3.75	0.21 1.53	2.42 4.38	0.12 0.61	2.32 3.42	0.50 0.55	3.02	8.944	8.184	27
28	3.28 4.35	1.92	0.92 1.67	2.61 3.96	0.96 1.37	2.76 3.96	0.01 0.50	2.42 3.52	0.45 0.51	3.23	8.164	7.244	28
29	1.70 1.39	3.02 3.73	0.97 1.67	2.65 3.95	0.49 1.25	2.55 3.92	0.10 0.44	2.56 3.15			7.05 6.33	7.17 6.37	29
30	1.10 1.39	2.61 3.81	0.98 1.87	2.79 4.13	0.59 1.32	2.59 3.73	0.04 0.52	2.85 3.63			5.84 5.37	6.15 5.55	30
31	1.63 1.73	2.84 3.86			0.36 0.67	2.18 3.09	0.17 0.85	3.13 3.35			5.16 4.83	5.65 5.05	31
MAXIMUM		4.35	4.13		4.38		4.33		8.454		9.044		MAXIMUM
MINIMUM		0.65	0.23		-0.78		-0.34		0.454		0.364		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 15 20, LONG. 121 26 21, NW SEC. 28 T5N, R5E,  
AT HIGHWAY BRIDGE, 2.3 MILES NORTHWEST OF THORNTON.  
AT TIMES, TIDAL FLUCTUATION IS INFLUENCED BY OPERATION  
OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: FEB 1959 TO DATE

TABLE B-12 (CONTINUED)

## DAILY TIDES

B94175 MOKELUMNE RIVER NEAR THORNTON  
(APRIL 1, 1975; THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.05 4.04	5.04	3.92 3.48	4.41	4.03 3.68	3.34 2.57	1.01 0.61	1.79	0.66 1.19	1.84	3.73 2.51	0.68 1.43	01
02	4.35 4.52	4.03 3.46	4.16 4.17	3.86 3.30	4.12 3.43	3.15 2.50	3.37 1.60	0.69 0.64	3.68 2.16	0.36 1.43	3.66 2.62	0.62 1.33	02
03	4.00 4.26	3.73 3.27	4.12 3.96	3.70 3.34	3.99 3.04	2.70 2.37	3.38 1.76	0.42 1.03	3.63 2.45	0.42 1.06	3.78 2.84	0.71 1.26	03
04	3.98 4.10	3.64 3.13	4.23 3.84	3.69 3.32	4.03 3.11	2.49 2.05	3.63 2.01	0.41 1.34	4.10 2.85	0.73 1.06	3.76 3.07	0.83 1.24	04
05	4.08 4.10	3.63 3.40	4.21 3.90	3.72 3.53	4.54 3.53	2.79 2.96	3.77 2.21	0.38 1.03	4.19 2.99	0.71 1.61	3.79 3.36	1.00 3.69	05
06	4.41 4.78	4.24 4.57	4.24 3.95	3.69 3.58	4.62 3.63	2.78 3.06	3.97 2.95	0.17 1.66	4.15 2.96	0.75 1.30	1.26 1.34	3.75 3.93	06
07	5.20 5.34	5.02	4.31 3.87	3.55 4.48	4.55 3.56	2.58 3.05	4.15 2.75	0.62 1.63	3.85 2.61	0.30	1.37 1.34	3.64 3.93	07
08	4.97 4.82	5.33 5.04	4.26 3.63	3.14 3.11	4.68 3.54	2.53 3.03	4.12 2.78	0.41 1.15	0.78 0.28	3.58 2.83	1.46 1.46	3.58 4.03	08
09	4.44 4.18	4.81 4.57	4.22 3.65	2.95	4.61 3.52	2.41	4.16 2.89	0.63	0.82 0.51	3.52 3.22	1.29 1.28	3.18 4.06	09
10	4.83 3.84	4.61 4.34	3.16 2.97	4.24 3.67	2.98 2.41	4.68 3.74	1.41 0.52	3.99 2.94	0.92 0.68	3.41 3.52	1.38 1.59	3.23 4.12	10
11	3.77 3.74	4.48 4.47	3.23 2.96	4.25 3.62	3.14 2.85	4.96 3.91	1.34 0.46	3.86 3.07	1.10 0.97	3.38 3.79	1.29 1.86	3.14 4.16	11
12	4.12 3.85	4.75 4.27	3.26 3.03	4.29 3.75	3.17 2.18	4.73 3.62	1.24 0.46	3.57 3.22	1.19 1.01	3.06 3.91	1.34 1.96	3.69 4.15	12
13	3.90 3.70	4.66 4.27	3.48 3.32	4.50 4.19	2.76 1.88	4.26 3.86	1.15 0.61	3.34 3.59	1.03 1.00	2.70 3.87	1.29 2.03	3.15	13
14	3.98 3.70	4.68 4.20	4.03 3.82	4.98 4.35	2.89 1.88	4.28 4.06	1.41 0.97	3.32 3.88	0.85 1.21	2.57 3.92	3.98 3.14	1.15 1.88	14
15	3.04 3.38	4.55 3.99	4.11 3.85	4.01 4.46	2.74 1.82	3.97 4.07	1.05 0.65	2.67 3.60	0.75 1.47	2.63	3.84 3.18	1.08 1.71	15
16	3.82 3.88	4.61	4.29 4.12	4.63	2.25 1.48	3.35	0.71 0.67	2.22	4.62 2.76	0.76 1.55	3.62 3.06	1.85 1.46	16
17	4.30 4.75	4.19 3.91	4.67 4.77	4.41 3.97	4.07 3.29	2.23 2.29	3.76 2.52	0.68 1.36	3.94 3.02	0.72 1.03	3.55 3.22	1.07 1.44	17
18	4.38 4.54	4.17 3.65	4.55 4.60	4.23 3.98	4.27 3.10	2.26 2.30	4.01 2.61	0.78 1.50	3.85 2.78	0.63 1.38	3.58 3.39	1.24	18
19	4.17 4.28	3.93 3.39	4.77 4.62	4.31 4.15	4.40 3.14	2.31 2.30	4.05 2.73	0.71 1.62	3.74 2.76	0.84 1.27	1.52 1.25	3.56 3.35	19
20	4.04 4.10	3.66 3.27	5.03 4.34	4.24 3.80	4.30 3.16	1.98 2.45	4.10 2.86	0.77 1.04	3.58 2.93	0.61	1.26 1.02	3.21 3.23	20
21	4.13 4.18	3.58 3.39	4.64 4.22	3.92 3.65	4.41 3.09	1.80 2.24	4.04 2.61	0.76 1.47	1.28 0.80	3.63 3.17	1.07 1.14	3.16 3.32	21
22	4.36 4.21	3.65 3.40	4.76 4.33	3.92 3.97	4.33 3.16	1.80 2.31	3.97 2.67	0.64	1.46 0.97	3.62 3.12	1.00 1.06	2.95 3.24	22
23	4.30 3.95	3.35 3.20	4.82 4.18	3.82 3.77	4.29 3.27	1.61	1.47 0.70	3.94 2.86	1.29 0.89	3.40 3.18	0.76 0.92	2.52 3.11	23
24	4.34 4.24	3.34	4.78 4.02	3.53	2.32 1.47	4.18 3.02	1.47 0.72	3.88 2.99	1.17 0.84	3.16 3.16	0.57 0.99	2.33 3.19	24
25	3.69 3.64	4.69 4.27	3.63 3.35	4.69 3.97	1.97 0.91	3.77 2.84	1.37 0.61	3.63 3.08	1.11 0.97	3.00 3.37	0.62 1.22	2.32 3.37	25
26	3.91 4.12	4.80 4.59	3.59 3.36	4.69 4.12	1.86 0.95	3.59 2.97	1.40 0.75	3.50 3.29	1.29 1.36	3.11 3.68	0.68 1.50	2.51 3.54	26
27	4.37 4.37	5.14 4.68	3.76 3.35	4.73 4.05	1.94 0.91	3.45 3.03	1.48 1.03	3.39 3.58	1.22 1.05	2.55 3.45	0.83 1.83	2.57 3.63	27
28	4.42 4.16	5.03 4.52	3.66 3.09	4.68 3.90	1.83 0.93	3.04 2.97	1.63 0.98	3.16 3.64	0.82 0.95	2.66 3.37	0.87 1.75	2.66 3.44	28
29	4.28 3.92	4.63 4.38	3.55 2.84	4.26 3.92	1.47 0.56	2.66 3.11	1.39 0.89	2.88 3.48	0.58 1.12	1.90 3.40	0.75 1.60	2.75	29
30	4.17 3.76	4.74 4.20	3.52 2.47	4.15 3.95	1.27 0.57	2.22 3.28	0.97 0.69	2.03 3.39	0.49 1.52	2.69 3.63	3.48 2.96	0.87 1.52	30
31			3.38 2.53	3.87			0.61 0.84	1.72 3.48	0.58 1.68	2.37			31
MAXIMUM		5.34	5.03		4.96		4.16		4.19		4.18		MAXIMUM
MINIMUM		3.13	2.47		0.43		0.17		0.28		0.57		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.5 - 2-2-63

ZERO OF GAGE: 1959 0.40 USGS  
1964 -0.48 USGS  
1964 TO DATE 0.00 USGS



TABLE B-12 (CONTINUED)

## DAILY TIDES

BS9415 HOKELEUNE RIVER, SOUTH FORK, AT NEW HOPE BRIDGE  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.94 3.48	0.90	0.38 1.22	2.63 3.84	0.83 1.85	2.86 4.27	NR	NR	0.93 1.12	3.08 3.24	0.27 0.27	3.52 2.84	01
02	0.91 1.22	3.07 3.86	0.45 1.45	2.73 3.92	0.91 2.06	3.08 4.20	NR	NR	1.21 1.21	4.12 2.78	0.41 -0.09	3.43 2.25	02
03	0.97 1.28	3.10 3.75	0.41 1.36	2.63 3.73	1.06 1.50	3.34 4.04	-0.19 0.25	2.64 1.97	1.40 0.40	3.99 0.40	0.16 0.52	3.53 2.39	03
04	0.75 1.27	2.90 3.82	0.25 1.34	2.57 3.57	0.54 1.53	3.43 3.64	-0.22 0.18	3.00 1.66	2.77 4.19	1.53 0.43	1.34 0.73	3.72	04
05	0.68 1.35	2.77 3.82	0.22 1.32	2.67 3.34	0.09 0.82	3.08 2.66	-0.13 -0.03	3.04	2.43 3.70	1.05 0.01	2.73 3.79	1.69 0.76	05
06	0.58 1.45	2.61 3.70	0.10 1.11	2.68 2.90	-0.37 0.30	2.91 2.10	1.64 3.63	0.34 0.32	2.26 3.52	0.98 -0.09	2.84 3.82	1.94 0.74	06
07	0.43 1.73	2.64 3.94	-0.04 1.15	2.98 2.95	-0.37 0.03	3.01	2.13 3.76	0.88 0.31	2.52 3.73	1.17 3.73	2.94 4.06	1.98 0.69	07
08	0.70 1.80	2.88 3.69	0.06 0.55	2.82	2.02 2.95	-0.13 -0.38	2.54 4.37	1.65 0.90	0.07 1.20	2.73 3.82	3.23 3.67	1.40 0.49	08
09	0.55 1.62	2.94 3.58	2.46 3.01	0.62 0.30	1.84 3.22	-0.08 -0.35	2.69 3.69	1.38	0.45 1.54	3.33 4.22	3.13 3.73	1.29 0.67	09
10	0.49 1.29	2.99	2.28 3.10	0.13 0.12	2.87 3.44	0.44 -0.31	0.45 1.36	2.36 3.04	1.17 1.91	3.73 4.17	3.27 3.56	1.22	10
11	3.38 2.93	0.50 0.88	2.23 3.23	0.28 0.11	2.16 3.51	0.64	0.37 1.17	2.26 3.55	1.60 1.97	3.41 3.79	0.73 1.61	3.35 3.49	11
12	3.12 3.04	0.38 0.69	2.30 3.47	0.54	NR	NR	0.22 0.87	2.17 3.08	1.14 1.49	3.26 3.75	0.67 0.77	3.24 3.27	12
13	3.03 3.25	0.55 0.60	0.17 0.87	2.47 3.74	NR	NR	-0.16 0.66	1.98 2.99	1.13 1.64	3.06 3.68	0.62 0.83	3.31 3.38	13
14	2.97 3.43	0.65	0.32 1.10	2.60 3.93	NR	NR	-0.17 0.72	2.14 2.87	1.28 1.82	3.80 3.35	0.76 0.57	3.26 3.06	14
15	0.51 0.69	2.84 3.43	0.55 1.41	2.82 3.95	NR	NR	-0.18 0.67	2.28 2.68	1.43 1.43	3.42 2.84	0.92 0.80	3.46 3.08	15
16	0.35 0.81	2.74 3.62	0.49 1.47	2.70 3.79	NR	NR	-0.20 0.60	2.42 2.35	1.11 0.88	3.56 2.12	1.53 0.87	3.97 2.80	16
17	0.38 0.98	2.74 3.67	0.42 1.42	2.65 3.45	NR	NR	-0.28 0.32	2.30 1.75	0.52 0.51	3.14 1.83	1.07 0.59	3.49 2.61	17
18	0.34 1.13	2.70 3.74	0.26 1.58	2.73 3.30	NR	NR	-0.41 0.15	2.29 1.50	0.55 0.09	3.13 1.63	1.27 0.45	3.64 2.44	18
19	0.47 1.50	2.91 3.95	0.21 1.36	2.53 2.73	NR	NR	-0.28 -0.17	2.37 1.02	0.82 0.19	3.43	1.37 0.62	3.69 2.61	19
20	0.63 1.69	2.97 3.65	0.04 1.47	2.61 2.76	NR	NR	-0.18 -0.14	2.60	2.22 3.48	1.32 -0.24	1.56 0.14	3.43	20
21	0.38 1.47	2.61 3.14	0.57 2.27	3.86 3.77	NR	NR	1.30 3.03	0.42 -0.18	1.92 3.07	0.99 -0.52	2.53 3.40	1.49 0.94	21
22	0.24 1.68	2.80 3.19	0.65 1.01	3.64	NR	NR	1.46 3.19	0.72 -0.28	1.87 3.21	0.62 -0.56	3.54 3.93	1.98 0.88	22
23	0.47 1.36	2.86 2.62	1.93 2.81	0.38 0.65	NR	NR	1.68 3.48	0.86 -0.18	2.10 3.26	0.41	3.42 3.86	1.00 1.14	23
24	0.26 1.07	2.40	1.80 2.93	0.47 0.74	NR	NR	1.89 3.63	0.93 -0.11	-0.49 0.33	2.36 3.38	3.51 3.96	1.72 1.26	24
25	2.57 2.97	0.43 0.98	2.36 3.31	0.98 0.62	NR	NR	2.13 3.82	0.95	-0.19 0.46	2.72 3.48	4.33 4.27	2.42	25
26	2.75 3.25	0.64 0.85	2.20 3.57	1.07 0.60	NR	NR	0.10 1.06	2.39 3.84	0.16 0.31	2.96 3.20	1.53 1.72	3.82 3.98	26
27	2.78 3.37	0.70 0.75	2.43 3.74	1.30	NR	NR	0.08 0.58	2.32 3.48	-0.05 0.05	2.93 2.92	2.21 2.68	3.28 3.72	27
28	3.21 4.36	1.47 1.27	0.67 1.53	2.57 3.48	NR	NR	0.00 0.59	2.42 3.60	-0.02 0.05	3.15 2.77	1.77 1.27	3.95 3.23	28
29	2.93 3.66	0.99	0.73 1.54	2.63 3.97	NR	NR	0.05 0.43	2.57 3.27			1.46 1.11	4.22 3.31	29
30	0.58 1.80	2.72 3.68	0.74 1.75	2.76 4.19	NR	NR	0.01 0.53	2.80 3.07			1.45 0.93	4.22 3.30	30
31	0.48 1.12	2.90 3.75			NR	NR	0.17 0.85	3.17 3.36			1.63 0.71	4.26 3.02	31
MAXIMUM	4.36		4.19		NR		NR		4.22		4.33		MAXIMUM
MINIMUM	0.24		-0.04		NR		NR		-0.56		-0.09		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 13 33, LONG. 121 29 24, NW SEC. 1, T4N, R9E,  
SOUTH OF WALNUT GROVE-THORNTON HIGHWAY BRIDGE, 3.8 MILES  
WEST OF THORNTON. AT TIMES, TIDAL FLUCTUATION IS  
INFLUENCED BY OPERATION OF THE DELTA CROSS CHANNEL GATES. \*

PERIOD OF RECORD: AUG 1920 TO DATE

TABLE B-12 (CONTINUED)

## OATLY TIDES

894150 MOOREMINE RIVER, SOUTH FORK, AT NEW HOPE BRIDGE  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
1	1.47 0.25	3.59 2.57	2.01 0.88	3.48 3.05	2.22 1.17	3.10	0.70 0.30	1.73 3.30	0.34 1.17	1.90 3.70	3.72 2.44	0.37 1.21	1
2	1.24 0.04	3.16	1.69 0.72	2.99	3.79 2.71	1.92 1.12	0.43 0.53	1.56	0.24 1.38	2.13	3.67 2.57	0.31 1.13	2
3	2.53 3.10	1.26 0.12	3.07 2.69	1.63 0.98	3.64 2.28	1.34 1.12	3.36 1.74	0.24 0.93	3.85 2.41	0.21 1.23	3.77 2.77	0.41 1.01	3
4	2.79 2.98	1.44 0.20	3.29 2.33	1.55 0.72	3.76 2.50	1.16 1.66	3.62 1.99	0.19 1.21	4.18 2.83	0.52 1.59	3.77 3.00	0.55 0.99	4
5	3.03 2.88	1.33 0.18	3.08 2.18	1.19 0.87	4.43 3.12	1.59 2.08	3.77 2.16	0.12 1.22	4.30 2.95	0.55 1.50	3.79 3.30	0.74 1.02	5
6	3.00 2.83	0.98 0.31	3.03 2.35	1.05 1.12	4.53 3.29	1.61 2.23	3.98 2.47	0.20 1.55	4.26 2.94	0.57 1.21	3.73 3.67	0.93	6
7	3.86 2.94	0.95 0.52	3.29 2.54	1.02 1.29	4.45 3.23	1.34 2.22	4.21 2.69	0.36 1.51	3.98 2.58	0.14 0.69	1.11 1.05	3.62 3.94	7
8	3.15 2.87	0.73 0.51	3.48 2.73	1.02 1.52	4.80 3.24	1.28 2.26	4.17 2.72	0.24 1.42	3.61 2.82	0.12	1.15 1.20	3.52 4.07	8
9	3.15 2.88	0.50 0.70	3.78 2.84	1.03 1.61	4.51 3.25	1.24 2.29	4.22 2.83	0.39 1.27	0.71 0.31	3.54 3.20	0.98 1.06	3.14 4.11	9
10	3.32 2.95	0.40	3.82 2.83	0.98 1.64	4.62 3.58	1.38	4.06 2.88	0.32	0.78 0.08	3.41 3.51	1.07 1.14	3.19 4.15	10
11	0.76 0.48	3.42 3.33	3.76 2.65	0.81	2.56 1.70	4.95 3.78	1.19 0.26	3.87 3.01	0.96 0.80	3.38 3.84	0.98 1.61	3.06 4.21	11
12	1.93 1.23	3.87 3.13	1.59 0.79	1.74 2.80	2.57 1.29	4.68 3.46	1.10 0.27	3.56 3.19	1.05 0.87	3.02 3.97	1.01 1.77	3.03 4.14	12
13	1.81 1.20	3.96 3.32	1.84 1.05	3.99 3.39	2.15 1.04	4.18 3.78	1.00 0.39	3.31 3.57	0.90 0.91	2.88 3.92	0.96 1.81	3.10 3.98	13
14	2.20 1.34	4.26 3.73	2.58 1.56	4.52 3.44	2.41 1.28	4.23 3.40	1.22 0.78	3.28 3.96	0.70 1.11	2.54 3.95	0.82 1.62	3.88 4.62	14
15	2.04 0.94	3.91 2.89	2.45 1.28	4.17 3.40	2.33 1.26	3.89 4.01	1.04 0.46	2.64 3.59	0.57 1.38	2.80	3.82 3.92	0.74 1.42	15
16	1.99 1.00	3.80 2.90	2.37 1.31	3.92 3.48	1.77 1.01	3.24 3.99	0.53 0.55	2.18 3.79	4.08 2.72	0.57 1.45	3.59 2.94	0.65 1.18	16
17	2.12 1.05	3.71 3.06	2.29 1.10	3.60 3.37	1.47 1.44	3.03	0.51 1.24	2.45	3.98 2.98	0.51 1.49	3.49 3.13	0.70 1.15	17
18	2.08 0.74	3.35	2.03 1.41	3.38	4.15 2.67	1.12 1.34	4.09 2.57	0.60 1.43	3.87 2.73	0.37 1.17	3.54 3.31	0.91 1.23	18
19	2.81 3.03	1.74 0.44	3.84 3.41	2.08 1.84	4.31 2.70	1.11 1.26	4.11 2.68	0.50 1.51	3.73 2.69	0.35 1.06	3.59 3.28	0.92	19
20	2.75 2.85	1.36 0.54	4.31 2.86	1.68 1.09	4.19 2.77	0.71 1.60	4.16 2.80	0.54 1.54	3.55 2.85	0.34 1.07	0.97 0.72	3.15 3.16	20
21	3.12 3.19	1.30 0.95	3.71 2.83	1.30 1.53	4.35 2.81	0.69 1.54	4.08 2.78	0.44 1.39	3.60 3.10	0.56	0.74 0.82	3.10 3.24	21
22	3.61 3.28	1.41 1.00	4.05 3.02	1.36 1.69	4.28 2.95	0.59 1.65	4.03 2.83	0.44 1.35	3.13 0.65	3.59 3.04	0.66 0.74	2.88 3.18	22
23	3.54 2.96	0.90 0.93	4.21 3.06	1.31 1.75	4.24 3.05	0.68 1.69	3.97 2.92	0.53	1.06 0.61	3.34 3.12	0.43 0.54	2.45 3.04	23
24	3.71 3.45	0.89 1.57	4.30 3.06	1.12 1.82	4.11 2.80	0.60	1.37 0.52	3.92 2.95	0.96 0.57	3.12 3.09	0.17 0.65	2.26 3.12	24
25	4.18 3.25	1.09 1.46	4.27 3.05	0.93	1.35 0.04	3.86 2.63	1.26 0.41	3.62 3.04	0.86 0.74	2.95 3.31	0.19 0.92	2.26 3.31	25
26	3.96 2.96	0.90	1.78 0.96	4.26 3.33	1.21 0.07	3.44 2.78	1.29 0.54	3.44 3.25	1.06 1.14	3.07 1.06	0.32 1.25	2.45 3.50	26
27	1.53 0.96	4.07 2.93	2.05 0.89	4.30 3.18	1.33 0.08	3.29 2.84	1.34 0.87	3.36 3.98	1.01 0.83	2.50 3.43	0.48 1.61	2.57 3.59	27
28	1.69 0.85	3.91 2.92	1.92 0.88	3.91 3.10	1.25 -0.04	2.89	1.50 0.85	3.13 3.64	0.61 0.78	2.03 3.33	0.48 1.48	2.60 3.41	28
29	1.81 0.87	3.87 3.03	1.92 0.63	3.67 3.26	1.17 0.13	2.61 3.03	1.27 0.78	2.67 3.48	0.34 1.00	1.87 3.36	0.31 1.30	2.68 3.43	29
30	2.01 0.89	3.78 3.03	2.16 0.82	3.63 3.57	0.96 0.22	2.13 3.20	0.87 0.59	2.01 3.38	0.25 1.41	2.05 3.60	0.42 1.17	2.87	30
31			2.29 0.99	3.39 3.68			0.50 0.77	1.70 3.49	0.28 1.53	2.32			31
MAXIMUM		4.26	4.52		4.95		4.22		4.30		4.21		MAXIMUM
MINIMUM		0.04	0.63		-0.04		0.12		0.08		0.17		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 13.3 - 12-25-55

ZERO OF GAGE: 1920 TO 1940 0.26 USED  
1940 0.00 USCGS  
1964 -0.62 USCGS  
1964 TO DATE 0.00 USCGS

## TABLE 8-12 (CONTINUED)

## DAILY TIDES

R94120 LITTLE POTATO SLOUGH AT TERMINOUS  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.74 3.29	0.16	-0.39 0.77	2.44 3.73	-0.26 1.17	2.58 4.07	NR	NR	0.36 0.49	3.60 2.98	0.14 0.09	3.52 2.79	01
02	0.23 0.64	2.86 3.66	-0.28 1.03	2.56 3.77	-0.20 1.31	2.81 3.98	NR	NR	0.67 0.42	3.94 2.48	0.28 -0.27	3.43 2.18	02
03	0.24 0.71	2.91 3.56	-0.37 0.93	2.46 3.58	-0.07 1.29	3.00 3.96	-0.91 -0.33	2.48 1.79	0.47 0.11	3.76 -0.48	0.07 -0.48	3.16 2.10	03
04	0.00 0.74	2.71 3.64	-0.51 0.92	2.38 3.43	0.38 1.49	3.44 3.66	-0.85 -0.42	2.83 1.50	2.58 4.11	1.39 0.12	0.69 -0.18	3.51 2.79	04
05	-0.05 0.88	2.59 3.66	-0.50 0.92	2.52 3.21	-0.06 0.72	3.06 2.60	-0.68 -0.66	2.86 1.44	2.27 3.58	0.89 -0.33	2.46 3.60	1.12 -0.16	05
06	-0.18 0.99	2.44 3.56	-0.59 0.72	2.54 2.76	-0.51 0.21	2.90 2.03	-0.16 -0.32	2.90 3.44	2.10 3.40	0.82 -0.38	2.60 3.57	1.38 -0.21	06
07	-0.33 1.31	2.49 3.61	-0.66 0.73	2.64 2.81	-0.46 -0.08	3.04 3.61	1.96 -0.38	2.46 3.61	2.39 3.67	1.03 -0.17	2.61 3.96	1.29 0.49	07
08	-0.06 1.35	2.69 3.54	-0.51 0.08	2.69 2.86	1.98 2.98	-0.20 -0.49	2.33 4.17	1.22 0.10	2.63 3.74	1.07 0.13	3.13 3.59	1.27 0.17	08
09	-0.22 1.14	2.74 3.40	2.30 2.86	-0.51 -0.23	1.80 3.26	-0.06 -0.47	2.45 3.49	0.77 -0.63	3.22 4.12	1.33 0.84	2.93 3.51	0.99 0.12	09
10	-0.29 0.74	2.79 3.40	2.12 2.94	-0.38 -0.47	2.04 3.51	0.39 -0.43	2.04 3.40	0.62 -0.73	3.53 3.88	1.39 0.33	3.06 3.40	0.83 0.29	10
11	3.19 2.78	-0.26 0.28	2.06 3.07	-0.21 -0.52	2.14 3.24	0.61 -0.73	1.95 3.33	0.36 0.97	2.97 3.50	2.18 3.36	0.74 0.35		11
12	2.96 2.83	-0.37 0.01	2.13 3.32	0.05 -0.52	-0.74 0.63	1.84 3.65	-0.77 0.23	1.91 2.66	0.18 0.88	2.99 3.53	3.10 3.13	0.53	12
13	2.82 3.06	-0.17 0.13	2.50 3.39	0.39 -0.58	2.23 1.11	4.37 -0.08	1.74 2.80	0.52 1.25	3.60 3.50	0.34 0.63	3.18 3.24		13
14	2.77 3.22	-0.01 0.21	-0.38 0.64	2.44 3.78	0.09 0.95	2.64 3.92	-0.96 0.22	1.95 2.69	0.72 1.04	3.53 3.01	0.52 0.26	3.13 2.84	14
15	2.65 3.24	0.05	-0.16 0.95	2.63 3.80	-0.29 3.81	2.41 -0.77	2.10 0.20	2.10 2.52	0.47 0.66	3.12 2.55	0.50 0.22	3.23 2.85	15
16	-0.39 0.23	2.54 3.44	-0.31 0.99	2.51 3.64	-0.56 0.56	2.28 3.63	-0.85 0.15	2.25 2.18	0.50 0.53	3.36 1.91	1.18 0.42	3.79 2.60	16
17	-0.37 0.43	2.54 3.50	-0.39 0.92	2.46 3.27	-0.63 -0.02	1.97 2.89	-0.90 -0.14	2.14 1.61	0.29 0.28	3.01 1.65	0.72 -0.01	3.28 2.38	17
18	-0.42 0.63	2.50 3.58	-0.58 1.12	2.53 3.13	-0.93 0.21	2.29 2.96	-0.97 -0.33	2.14 1.33	0.40 -0.11	2.99 1.48	0.94 0.02	3.42 2.25	18
19	-0.26 1.04	2.75 3.71	-0.59 0.89	2.34 2.54	NR	NR	-0.77 -0.67	2.23 0.86	0.73 -0.07	3.29 -0.07	1.14 0.23	3.53 2.46	19
20	-0.07 1.28	2.79 3.50	-0.78 0.99	2.43 2.57	NR	NR	-0.60 -0.66	2.47 2.07	2.07 3.41	1.26 -0.44	1.39 -0.24	3.30 2.60	20
21	-0.31 1.07	2.50 3.01	-0.21 1.77	3.66 2.53	NR	NR	1.14 2.89	0.09 -0.74	1.81 3.14	0.92 -0.76	2.36 3.21	1.31 0.58	21
22	-0.47 1.28	2.64 3.62	-0.12 0.30	2.85 1.62	NR	NR	1.30 3.06	0.40 -0.92	1.70 3.10	0.53 -0.83	3.38 3.76	1.74 0.31	22
23	-0.24 0.89	2.68 2.44	-0.43 -0.21	2.59 3.44	NR	NR	1.44 3.34	0.56 -0.82	1.97 3.19	0.28 -0.73	3.13 3.55	1.25 0.13	23
24	-0.46 0.54	2.61	1.45 2.67	-0.35 -0.12	NR	NR	1.75 3.51	0.60 -0.75	2.23 3.35	0.19 -0.41	NR	NR	24
25	2.39 2.80	-0.23 0.45	2.04 3.10	0.21 -0.33	NR	NR	1.99 3.68	0.60 -0.56	2.64 3.47	0.32	NR	NR	25
26	2.59 3.09	0.18 0.34	1.89 3.33	0.34 -0.34	NR	NR	2.24 3.78	0.69	-0.09 0.15	2.90 3.17	NR	NR	26
27	2.61 3.20	0.18 0.20	2.12 3.52	0.58 -0.36	NR	NR	-0.55 0.23	2.17 3.57	-0.22 -0.11	2.88 2.88	NR	NR	27
28	3.01 4.21	1.00 0.72	2.28 3.77	0.82 -0.08	NR	NR	-0.58 0.14	2.26 3.48	-0.19 -0.11	3.13 2.73	NR	NR	28
29	2.77 3.51	0.51 -0.06	-0.35 0.80	2.32 3.76	NR	NR	-0.55 0.00	2.42 3.06			NR	NR	29
30	2.55 3.49	0.53	-0.35 1.03	2.47 3.98	NR	NR	-0.54 0.07	2.74 2.93			NR	NR	30
31	-0.30 0.61	2.40 3.58			NR	NR	-0.37 0.25	2.94 3.18			NR	NR	31
MAXIMUM	4.21		3.98		NR		NR		4.12		NR		MAXIMUM
MINIMUM	-0.47		-0.78		NR		NR		-0.83		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 06 53, LONG. 121 29 47, NE SEC 14, T3N, R4E,  
AT STATE HIGHWAY 12 AT TERMINOUS. STATION DISCONTINUED  
AUGUST 4, 1969, AND REACTIVATED MARCH 1, 1972.PERIOD OF RECORD: FEB 1968 TO AUG 1969  
MAR 1972 TO DATE

TABLE 8-12 (CONTINUED)

## DAILY FLOWS

894120 LITTLE POTATO CLOUD AT TERMINOUS  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.15 -0.44	3.12 2.61	1.56 0.24	2.79	0.20 -0.14	1.57 3.14	-0.26 0.86	1.77 3.59	3.56 2.25	-0.42 0.71	01
02	NR	NR	0.98 -0.62	2.53	3.55 2.37	1.13 0.24	-0.11 0.19	1.40	-0.40 1.06	1.98	3.51 2.37	-0.47 0.60	02
03	NR	NR	2.66 2.20	0.65 -0.26	3.39 1.98	0.48 0.38	3.23 1.56	-0.30 0.65	3.73 2.24	-0.45 1.19	3.60 2.57	-0.37 0.42	03
04	2.61 2.83	1.25 -0.17	2.93 1.77	0.52 -0.61	3.55 2.22	0.28 1.04	3.48 1.86	-0.39 0.96	4.08 2.88	-0.13 1.25	3.59 2.79	-0.25 0.37	04
05	2.87 2.72	1.10 -0.18	2.66 1.60	-0.03 -0.42	4.25 2.86	0.69 1.44	3.66 2.01	-0.49 0.96	4.17 2.76	-0.12 1.07	3.61 3.69	-0.01 0.39	05
06	2.80 2.65	0.66 -0.19	2.56 1.75	-0.28 -0.12	4.32 3.02	0.64 1.52	3.89 2.33	-0.41 1.27	4.12 2.75	-0.14 0.72	3.56 3.47	-0.23 0.23	06
07	2.84 2.70	0.47 -0.04	2.85 2.00	-0.36 0.13	4.22 2.90	0.22 1.50	4.09 2.53	-0.25 1.18	3.75 2.41	-0.56 0.10	0.45 0.38	3.44 3.74	07
08	2.93 2.66	0.23 0.05	3.08 2.27	-0.33 0.54	4.39 2.93	0.10 1.51	4.06 2.55	-0.37 1.07	3.45 2.66	-0.57	0.47 0.56	3.34 3.90	08
09	2.95 2.69	0.05 0.33	3.42 2.40	-0.26 0.63	4.30 2.95	0.03 1.56	4.10 2.67	-0.26 0.89	0.17 -0.34	3.37 3.02	0.29 0.48	2.96 3.95	09
10	3.11 2.75	-0.05 0.62	3.48 2.38	-0.35 0.63	4.42 3.29	0.21 1.84	3.94 2.72	-0.30	0.22 -0.15	3.42 3.14	0.42 0.94	2.89 4.02	10
11	3.23 2.83	-0.07 0.76	3.40 2.15	-0.62 0.52	4.75 3.49	0.61	0.80 -0.34	3.73 2.84	0.39 0.25	3.19 3.70	0.30 1.13	2.67 4.06	11
12	3.49 2.67	-0.16 0.79	3.38 2.31	-0.69	1.84 0.17	4.48 3.19	0.68 -0.34	3.41 3.02	0.50 0.39	2.86 3.02	0.32 1.32	2.83 4.02	12
13	3.60 2.88	-0.07	0.86 -0.37	3.65 2.95	1.43 0.00	3.97 3.50	0.54 -0.21	3.15 3.42	0.32 0.45	2.51 3.79	0.24 1.37	2.91 3.83	13
14	1.26 0.10	3.95 2.44	1.66 0.15	4.17 2.95	1.78 0.38	4.03 3.82	0.73 0.22	3.13 3.72	0.10 0.69	2.36 3.82	0.11 1.11	2.89 1.11	14
15	1.16 -0.42	3.59 2.46	1.45 -0.18	3.78 2.91	1.67 0.45	3.66 3.80	0.46 -0.10	2.46 3.45	-0.04 1.00	2.44	3.64 2.82	-0.02 0.92	15
16	1.14 -0.35	3.49 2.44	1.38 -0.22	3.51 2.88	1.07 0.23	3.80 3.79	-0.07 0.07	2.31 3.64	3.95 2.57	-0.07 1.05	3.42 2.79	-0.07 0.83	16
17	1.26 -0.29	3.38 2.59	1.21 -0.48	3.11 2.87	0.68 0.73	2.75	-0.13 0.81	2.27	3.83 2.78	-0.18 1.05	3.31 2.82	0.02 0.58	17
18	1.21 -0.60	2.97	0.90 0.02	2.90	3.96 2.41	0.25 0.70	3.94 2.37	-0.13 0.98	3.72 2.55	-0.31 0.71	3.34 3.11	0.26 0.66	18
19	2.38 2.66	0.99 -0.47	3.37 2.88	0.86 0.58	4.15 2.45	0.25 0.62	3.99 2.50	-0.22 1.04	3.56 2.52	-0.36 0.59	3.30 3.08	0.27 0.37	19
20	2.36 2.52	0.44 -0.47	3.93 2.19	0.52 -0.33	4.01 2.84	-0.22 1.07	4.02 2.81	-0.21 1.09	3.39 2.68	0.35 0.56	2.95 2.96	0.08	20
21	2.75 2.84	0.75 -0.15	3.26 2.26	-0.23 0.21	4.16 2.80	-0.19 1.04	3.94 2.81	-0.24 0.96	3.45 2.92	-0.13 0.71	0.12 0.23	2.90 3.05	21
22	3.23 2.91	0.44 -0.08	3.62 2.48	-0.13 0.50	4.12 2.74	-0.26 1.14	3.90 2.66	-0.27 0.91	3.42 2.85	-0.06	0.04 0.22	2.67 3.00	22
23	3.19 2.59	-0.19 -0.05	3.84 2.59	-0.10 0.70	4.07 2.86	-0.19 1.22	3.85 2.74	-0.20 0.91	0.50 -0.08	3.15 2.91	-0.21 0.04	2.27 2.85	23
24	3.40 3.05	-0.22 0.65	3.96 2.67	-0.22 0.95	3.96 2.62	-0.20	3.77 2.77	-0.17	0.36 -0.11	2.93 2.90	-0.47 0.18	2.08 2.95	24
25	3.89 2.88	-0.03 0.53	4.04 2.71	-0.28 0.98	0.87 -0.75	3.51 2.44	0.79 -0.27	3.46 2.88	0.25 0.16	2.76 3.13	-0.45 0.49	2.09 3.16	25
26	3.66 2.51	0.43 -0.50	4.01 2.99	-0.20	0.75 -0.71	3.28 2.59	0.84 -0.08	3.35 3.09	0.51 0.60	2.98 3.47	-0.28 0.88	2.30 3.36	26
27	3.70 2.45	-0.48	1.32 -0.23	4.07 2.67	0.47 -0.69	3.13 2.65	0.88 0.31	3.21 3.42	0.41 0.30	2.30 3.22	-0.10 1.27	2.42 3.45	27
28	0.61 -0.62	3.54 2.45	1.23 -0.41	3.72 2.82	0.88 -0.69	2.74 2.72	1.84 0.33	2.99 3.49	0.81 0.34	1.87 3.16	-0.14 1.11	2.46 3.26	28
29	0.83 -0.55	3.51 2.57	1.21 -0.54	3.44 2.96	0.76 -0.48	2.46 2.86	0.77 0.28	2.48 3.33	-0.32 0.60	1.69 3.19	-0.32 0.92	2.54 3.29	29
30	1.08 -0.51	3.41 2.60	1.52 -0.23	3.40	0.50 -0.29	1.94 3.04	0.36 0.18	1.86 3.24	-0.46 1.05	1.86 3.45	-0.19 0.75	2.71	30
31			1.66 0.03	3.13 3.43			-0.04 0.41	1.57 3.37		2.12			31
MAXIMUM	NR		4.17		4.75		4.10		4.17		4.06		MAXIMUM
MINIMUM	NR		-0.69		-0.75		-0.49		-0.57		-0.47		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.04 - 2-15-69

ZERO OF GAGE: 1968 TO 1969 -0.11 USGS  
1972 TO DATE 0.00 USGS

TABLE 8-12 (CONTINUED)

## DAILY TIDES

894100 GEORGIANA SLOUGH AT MOKELUNNE RIVER  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.62 3.13	0.26	-0.27 0.84	2.34 3.59	-0.13 1.26	2.46 3.67	-0.79 0.31	2.19 2.85	0.55 0.66	3.63 2.97	NR	NR	01
02	0.34 0.67	2.74 3.52	-0.20 1.10	2.44 3.66	-0.06 1.40	2.71 3.90	0.15 2.28	2.42 2.28	0.75 0.53	3.87 2.39	NR	NR	02
03	0.35 0.80	2.79 3.45	-0.27 1.01	2.34 3.48	0.10 1.44	2.95 3.92	-0.77 1.70	2.36 3.57	0.57 0.22	3.67	NR	NR	03
04	0.11 0.82	2.60 3.53	-0.40 0.99	2.28 3.31	0.48 1.56	3.31 3.56	-0.72 1.40	2.73 3.43	2.51 4.02	1.46 0.21	-0.77 -0.19	3.40 0.04	04
05	0.03 0.94	2.47 3.55	-0.40 0.97	2.41 3.10	0.04 0.80	2.95 2.47	-0.58 0.54	2.78	2.17 3.50	0.96 -0.24	2.38 3.50	1.19 -0.04	05
06	-0.08 1.05	2.33 3.45	-0.48 0.79	2.42 2.66	-0.41 0.29	2.79 1.92	1.38 3.37	-0.05 -0.27	2.00 3.31	0.88 -0.28	2.52 3.52	1.46 -0.07	06
07	-0.25 1.35	2.38 3.67	-0.56 0.80	2.73 2.69	-0.38 0.01	2.93	1.87 3.51	0.55 -0.25	2.28 3.58	1.13 -0.07	2.58 3.89	1.45 0.61	07
08	-0.01 1.36	2.58 3.41	-0.43 0.15	2.57	1.87 2.88	-0.11 -0.37	2.22 4.07	1.25 0.16	2.53 3.66	1.16 0.24	3.04 3.47	1.36 0.26	08
09	-0.14 1.18	2.61 3.27	2.19 2.74	-0.43 -0.13	1.69 3.16	0.13 -0.37	2.34 3.36	0.84 -0.48	3.13 4.04	1.41 0.92	2.82 3.36	1.00 0.23	09
10	-0.18 0.82	2.68	2.02 2.82	-0.28 -0.37	1.93 3.40	0.47 -0.31	1.46 3.29	0.72 -0.60	3.42 3.76	1.49	2.95 3.27	0.93 0.49	10
11	3.11 2.66	-0.15 0.38	1.96 2.95	-0.13 -0.42	2.04 3.47	0.69 -0.38	1.84 3.22	0.57	0.49 1.06	2.85 3.37	3.07 3.22	0.81 0.46	11
12	2.82 2.71	-0.26 0.09	2.02 3.20	-0.14 -0.42	2.07 3.54	0.80	-0.64 0.32	1.80 2.76	0.30 0.98	2.86 3.41	2.99 3.02	0.61	12
13	2.70 2.94	-0.07 -0.01	2.19 3.47	0.49	-0.32 0.75	2.11 3.28	-0.95 0.17	1.63 2.69	0.69 1.33	3.55 3.37	NR	NR	13
14	2.65 3.13	0.09 -0.11	-0.27 0.74	2.33 3.67	-0.66 0.63	1.93 3.17	-0.84 0.30	1.84 2.58	0.77 1.06	3.37 2.88	NR	NR	14
15	2.53 3.12	0.15	-0.04 1.02	2.53 3.69	-0.68 0.61	1.92 2.94	-0.79 0.29	2.00 2.43	0.52 0.73	2.98 2.44	NR	NR	15
16	-0.27 0.31	2.42 3.32	-0.18 1.06	2.40 3.53	-0.82 0.62	1.86 2.76	-0.73 0.23	2.15 2.17	0.57 0.55	1.21 1.74	NR	NR	16
17	-0.25 0.50	2.43 3.38	-0.28 0.98	2.35 3.17	-0.70 0.67	2.08 2.75	-0.78 -0.06	2.04 1.54	0.30 0.29	2.87 1.56	NR	NR	17
18	-0.30 0.71	2.39 3.47	-0.46 1.17	2.43 3.02	-0.64 0.70	2.26 2.22	-0.87 -0.24	2.04 1.26	0.41 -0.05	2.99 1.39	NR	NR	18
19	-0.15 1.13	2.63 3.60	-0.49 0.94	2.24 2.45	-0.82 0.47	2.18 1.72	-0.68 -0.59	2.13 0.78	NR	NR	NR	NR	19
20	0.04 1.35	2.67 3.40	-0.68 1.04	2.32 2.46	-0.89 0.15	2.13 1.21	-0.53 -0.58	2.37 1.06	NR	NR	NR	NR	20
21	-0.22 1.12	2.19 2.90	-0.08 1.00	3.56 2.41	-0.80 0.15	2.36 1.19	0.15 -0.67	2.81	NR	NR	NR	NR	21
22	-0.38 1.32	2.54 2.49	-0.04 0.37	2.74 1.53	-0.51 -0.40	2.37 0.88	1.22 2.97	0.49 -0.82	NR	NR	NR	NR	22
23	-0.15 0.92	2.57 2.34	-0.35 -0.12	2.47	-0.35 -0.78	2.37	1.35 3.25	0.63 -0.71	NR	NR	NR	NR	23
24	-0.37 0.60	2.50	1.37 2.55	-0.29 -0.05	0.90 2.72	-0.09 -0.82	1.65 3.41	0.69 -0.62	NR	NR	NR	NR	24
25	2.30 2.68	-0.13 0.52	1.94 2.99	0.29 -0.24	1.26 3.15	0.29 -0.64	1.88 3.59	0.70 -0.44	NR	NR	NR	NR	25
26	2.37 2.96	0.16 0.41	1.79 3.23	0.41 -0.23	1.75 3.56	0.72 -0.44	2.16 3.66	0.77	NR	NR	NR	NR	26
27	2.51 3.09	0.27 0.31	2.03 3.41	0.64 -0.27	2.16 4.36	1.27 0.28	-0.44 0.28	2.04 3.36	NR	NR	NR	NR	27
28	2.89 4.07	1.07 0.42	2.17 3.67	0.91	2.55 3.78	1.01	-0.48 0.27	2.17 3.34	NR	NR	NR	NR	28
29	2.68 3.40	0.59 0.06	-0.22 0.88	2.21 3.65	-0.22 0.86	2.25 3.71	-0.42 0.09	2.31 2.95	NR	NR	NR	NR	29
30	2.45 3.37	0.62	-0.22 1.13	2.36 3.87	-0.41 0.04	2.18 3.49	-0.42 0.14	2.63 2.83	NR	NR	NR	NR	30
31	-0.19 0.69	2.31 3.47			-0.57 0.06	1.83 2.75	-0.23 0.50	2.98 3.10	NR	NR	NR	NR	31
MAXIMUM	4.07		3.87		4.36		4.07		NR		NR		MAXIMUM
MINIMUM	-0.38		-0.68		-0.89		-0.95		NR		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 07 48, LONG. 121 34 46, NW SEC. 7, T3N, R4E,  
ON ANDRUS ISLAND, 2.6 MILES SOUTHWEST OF ISLETON.  
DISCONTINUED OCTOBER 1966 AND REACTIVATED JULY 1972.PERIOD OF RECORD: JUNE 1929 TO OCT 1966  
JULY 1972 TO DATE

TABLE 8-12 (CONTINUED)

## DAILY TIDES

894100 GEORGINA SLOUGH AT MOKELEHNE RIVER  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.21 -0.40	3.01 2.51	1.55 0.21	2.64 3.38	0.26 -0.11	1.47 3.05	-0.16 0.92	1.67 3.51	3.42 2.10	-0.29 0.63	01
02	NR	NR	1.06 -0.57	2.46	1.12 0.29	2.24	-0.03 0.22	1.27 3.15	-0.29 1.13	1.89	3.26 2.23	-0.34 0.73	02
03	1.11 -0.22	2.79	2.53 2.11	0.74 0.27	3.29 1.87	0.54 0.43	-0.24 0.67	1.44	3.05 2.15	-0.35 1.26	3.45 2.46	-0.25 0.52	03
04	2.53 2.71	1.31 -0.07	2.60 1.69	0.58 -0.55	3.43 2.13	0.36 1.05	3.37 1.75	-0.31 0.97	3.97 2.56	-0.03 1.31	3.48 2.68	-0.12 0.46	04
05	2.77 2.62	1.18 -0.09	2.53 1.50	0.04 -0.34	4.13 2.69	0.76 1.46	3.56 1.69	-0.38 1.02	4.08 2.64	-0.02 1.17	3.50 2.95	0.11 0.48	05
06	2.71 2.54	0.73 -0.11	2.46 1.05	-0.19 -0.06	4.19 2.85	0.68 1.58	3.77 2.20	-0.31 1.30	4.03 2.01	-0.07 0.63	3.43 3.31	0.32	06
07	2.73 2.60	0.55 0.08	2.74 1.89	-0.25 0.23	4.10 2.77	0.32 1.58	3.98 2.40	-0.16 1.23	3.64 2.31	-0.44 0.29	0.55 0.48	3.32 3.62	07
08	2.63 2.55	0.34 0.14	2.97 2.14	-0.23 0.53	4.28 2.80	0.19 1.57	3.97 2.41	-0.27 1.14	3.35 2.45	-0.44	0.57 0.66	3.21 3.80	08
09	2.62 2.55	0.14 0.43	3.36 2.26	-0.15 0.68	4.18 2.82	0.14 1.60	4.01 2.55	-0.15 0.98	0.29 -0.20	3.20 2.84	0.43 0.56	2.85 3.62	09
10	3.01 2.62	0.05 0.51	3.35 2.23	0.29 0.67	4.29 3.16	0.32 1.91	3.64 2.60	-0.20	0.33 -0.02	3.12 3.15	0.53 0.90	2.86 3.90	10
11	3.13 2.66	0.01 0.65	3.29 2.03	-0.51 0.60	4.60 3.33	0.63	0.89 -0.25	3.63 2.73	0.50 0.34	3.07 3.58	0.38 1.19	2.72 3.96	11
12	3.37 2.54	-0.05 0.67	3.27 2.21	-0.55 0.95	1.89 0.28	4.33 3.08	0.77 -0.27	3.39 2.92	0.57 0.42	2.74 3.69	0.40 1.30	2.72 3.92	12
13	3.49 2.75	0.62	3.54 2.74	-0.29	1.51 0.08	3.60 3.33	0.63 -0.12	3.04 3.39	0.39 0.49	2.41 3.67	0.31 1.38	2.81	13
14	1.32 0.16	3.63 2.74	1.71 0.13	4.05 2.65	1.81 0.41	3.69 3.67	0.82 0.28	3.61 3.61	0.19 0.76	2.21 3.69	3.53 2.75	0.17 1.17	14
15	1.25 0.24	3.51 2.37	1.49 -0.13	3.65 2.78	1.88 0.45	3.52 3.68	0.52 -0.02	2.36 3.33	0.05 1.07	2.30	3.52 2.71	0.06 0.96	15
16	1.22 -0.26	3.39 2.36	1.41 -0.16	3.38 2.85	1.14 0.23	2.86 3.64	0.02 0.13	1.91 3.55	3.80 2.39	0.03 1.10	3.32 2.68	0.04 0.71	16
17	1.33 -0.24	3.27 2.50	1.29 -0.37	3.62 2.70	0.74 0.74	2.59	-0.03 0.63	2.14	3.68 2.55	-0.06 1.11	3.20 2.80	0.11 0.66	17
18	1.29 -0.54	2.88 2.28	0.99 0.03	2.78	3.85 2.31	0.35 0.73	3.64 2.24	-0.03 1.03	3.54 2.39	-0.18 0.81	3.24 2.96	0.32 0.69	18
19	0.96 -0.77	2.56	3.26 2.74	0.90 0.54	4.04 2.34	0.33 0.68	3.69 2.36	-0.12 1.15	3.39 2.17	-0.23 0.68	3.17 2.94	0.34 0.47	19
20	2.24 -2.42	0.52 -0.57	3.78 2.03	0.52 -0.21	3.98 2.39	-0.09 1.09	3.91 2.47	-0.13 1.16	3.28 2.53	-0.25 0.60	2.85 2.86	0.18 0.24	20
21	2.65 2.71	0.44 -0.07	3.14 2.12	-0.11 0.33	4.08 2.48	-0.08 1.12	3.65 2.49	-0.13 1.04	3.34 2.80	-0.02 0.79	2.86 2.94	0.33	21
22	3.13 2.78	0.44 0.05	3.51 2.36	0.60 0.58	4.02 2.80	-0.15 1.23	3.80 2.54	-0.14 0.99	3.32 2.74	0.06	0.14 0.29	2.56 2.89	22
23	3.10 2.47	-0.66 0.06	3.72 2.48	0.63 0.79	3.96 2.71	-0.11 1.28	3.73 2.62	-0.08 1.00	0.60 0.03	3.06 2.80	-0.09 0.13	1.98 2.75	23
24	3.29 2.90	-0.08 0.74	3.86 2.55	-0.09 1.03	3.85 2.50	-0.11 0.94	3.67 2.66	-0.05	0.46 0.00	2.83 2.78	-0.37 0.25	1.98 2.85	24
25	3.78 2.78	0.68 0.64	3.91 2.59	-0.18 1.07	3.39 2.31	-0.63	0.88 -0.15	3.38 2.77	0.34 0.25	2.95 2.99	-0.36 0.57	1.98 3.07	25
26	3.54 2.38	-0.33 0.58	3.90 2.84	-0.10	0.83 -0.60	3.17 2.47	0.93 0.02	3.25 2.97	0.27 0.60	2.72 3.32	-0.18 0.98	2.20 3.27	26
27	3.57 2.32	-0.36	1.41 -0.13	3.98 2.78	0.93 -0.57	3.01 2.52	0.95 0.37	3.11 3.32	0.44 0.36	2.19 3.04	-0.02 1.28	2.32 3.33	27
28	0.71 -0.51	3.42 2.33	1.30 -0.34	3.60 2.70	0.84 -0.59	2.62 2.01	1.11 0.39	2.88 3.38	0.08 0.41	1.76 3.02	-0.07 1.18	2.35 3.15	28
29	0.91 -0.44	3.40 2.45	1.28 -0.63	3.31 2.84	0.81 -0.42	2.35 2.74	0.85 0.32	2.39 3.24	-0.23 0.65	1.58 3.10	-0.21 0.98	2.43 3.19	29
30	1.16 -0.39	3.30 2.50	1.59 -0.14	3.30	0.56 -0.27	1.83 2.94	0.42 0.24	1.77 3.15	-0.36 1.09	1.73 3.33	-0.12 0.81	2.60	30
31			1.72 0.04	3.62 3.28			0.63 -0.48	1.48 3.27	-0.36	2.00			31
MAXIMUM	NR		4.05		4.60		4.01		4.08		3.96		MAXIMUM
MINIMUM	NR		-0.57		-0.63		-0.38		-0.44		-0.37		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 12-16-55

ZERO OF GAGE: 1929 TO 1940 0.00 USED  
1940 0.00 USGS  
1964 -0.71 USGS  
1964 TO 1966 0.60 USGS  
1972 TO DATE 0.00 USGS

TABLE 8-12 (CONTINUED)

## DAILY TIDES

R95100 SAN JOAQUIN RIVER AT SAN ANTONIO LANDING  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.73 3.24	0.42 0.39	NR	NR	NR	NR	-0.76 0.46	2.28 2.94	NR	NR	0.35 0.33	3.59 2.78	01
02	2.87 3.60	0.84	NR	NR	NR	NR	NR	NR	NR	NR	0.54 -0.63	3.45 2.17	02
03	0.49 0.97	2.92 3.56	NR	NR	0.00 1.60	3.09 4.01	NR	NR	NR	NR	0.35 -0.28	3.10 2.09	03
04	0.22 0.99	2.73 3.65	NR	NR	0.60 1.74	3.44 3.69	NR	NR	2.62 4.14	1.84 0.32	0.95 -0.03	3.50 2.49	04
05	0.15 1.16	2.81 3.67	NR	NR	0.15 0.97	3.68 2.60	NR	NR	2.27 3.59	1.14 -0.15	1.38 0.05	3.61	05
06	0.05 1.28	2.48 3.59	NR	NR	-0.31 0.46	2.90 2.04	NR	NR	2.10 3.42	1.07 -0.17	2.63 3.61	1.66 -0.11	06
07	-0.11 1.56	2.53 3.61	NR	NR	-0.24 0.17	3.05	NR	NR	2.38 3.68	1.31 0.05	2.49 3.61	1.40 0.56	07
08	NR	NR	NR	NR	1.98 3.02	0.04 -0.26	NR	NR	2.63 3.75	1.35 0.32	2.99 3.39	1.36 0.16	08
09	NR	NR	NR	NR	1.81 3.28	0.31 -0.25	NR	NR	3.22 4.11	1.58 1.02	2.71 3.25	0.92 0.08	09
10	NR	NR	NR	NR	2.06 3.54	0.66 -0.20	NR	NR	3.52 3.85	1.61 0.45	2.85 3.17	0.84 0.27	10
11	NR	NR	NR	NR	2.15 3.60	0.88 -0.27	NR	NR	2.95 3.47	1.10	2.97 3.11	0.73 0.32	11
12	NR	NR	NR	NR	2.19 3.66	1.01 -0.19	NR	NR	0.26 1.04	2.95 3.50	2.84 2.90	0.51 0.28	12
13	NR	NR	NR	NR	2.24 3.42	0.96	NR	NR	0.68 1.42	3.63 3.46	2.96 3.05	0.52 0.48	13
14	NR	NR	NR	NR	-0.95 0.81	2.05 3.31	NR	NR	0.80 1.08	3.46 2.95	2.89 2.63	0.20	14
15	NR	NR	NR	NR	-0.97 0.82	2.04 3.08	NR	NR	0.50 0.74	3.10 2.53	0.44 0.12	2.98 2.60	15
16	NR	NR	NR	NR	-0.71 0.78	2.00 2.86	NR	NR	0.58 0.62	3.30 1.89	3.57 2.37	0.28	16
17	NR	NR	NR	NR	-0.63 0.85	2.18 2.85	NR	NR	0.41 0.38	2.94 1.66	0.70 -0.08	3.05 2.17	17
18	NR	NR	NR	NR	-0.55 0.89	2.35 2.35	NR	NR	0.58 0.05	2.98 1.50	0.94 -0.08	3.22 2.05	18
19	NR	NR	NR	NR	-0.73 0.66	2.28 1.83	NR	NR	0.93 0.68	3.32	1.17 0.14	3.33 2.24	19
20	NR	NR	NR	NR	-0.76 0.33	2.22 1.33	NR	NR	2.09 3.42	1.44 -0.29	1.36 -0.31	3.09	20
21	NR	NR	NR	NR	-0.67 0.34	2.45 1.32	NR	NR	1.78 3.12	1.11 -0.63	2.17 3.07	1.32 0.40	21
22	NR	NR	NR	NR	-0.38 -0.24	2.51 1.01	NR	NR	1.88 3.10	0.75 -0.67	NR	NR	22
23	NR	NR	NR	NR	-0.16 -0.64	2.52	NR	NR	1.95 3.18	0.51 -0.56	NR	NR	23
24	NR	NR	NR	NR	1.04 2.82	0.12 -0.70	NR	NR	2.21 3.34	0.42 -0.22	NR	NR	24
25	NR	NR	NR	NR	1.38 3.25	0.48 -0.53	NR	NR	2.62 3.46	0.55 0.10	NR	NR	25
26	NR	NR	NR	NR	1.87 3.85	0.95 -0.39	NR	NR	2.88 3.16	0.36	NR	NR	26
27	NR	NR	NR	NR	2.26 4.45	1.45 0.36	NR	NR	-0.02 0.11	2.87 2.87	NR	NR	27
28	NR	NR	NR	NR	2.95 3.88	1.22 -0.12	NR	NR	0.05 0.11	3.13 2.72	NR	NR	28
29	NR	NR	NR	NR	2.37 3.80	1.00	NR	NR			NR	NR	29
30	NR	NR	NR	NR	-0.39 0.78	2.27 3.59	NR	NR			NR	NR	30
31	NR	NR			-0.50 0.20	1.95 2.85	NR	NR			NR	NR	31
MAXIMUM	NR		NR		NR		NR		NR		NR		MAXIMUM
MINIMUM	NR		NR		NR		NR		NR		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 06 12, LONG. 121 35 26, SE SEC 13, T3N, R3E,  
APPROXIMATELY 1.2 MILES BELOW MOKELUMNE RIVER.

PERIOD OF RECORD: MAY 1952 TO DATE



TABLE R-12 (CONTINUED)

DAILY TIDES

R95100 SAN JOAQUIN RIVER AT SAN ANDREAS LANDING  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.37 -0.38	3.12 2.62	1.72 0.34	2.77 3.48	0.45 0.67	1.80 3.15	-0.01 1.15	1.82 3.62	-0.24 0.99	2.25	01
02	NR	NR	1.20 -0.54	2.55 2.62	1.29 0.40	2.34 1.37	0.15 0.42	1.41 3.26	-0.18 1.37	2.02	3.50 2.37	-0.26 0.87	02
03	NR	NR	0.88 -0.24	2.21	3.39 1.99	0.67 0.59	-0.08 0.88	1.57	3.76 2.27	-0.23 1.50	3.60 2.56	-0.18 0.66	03
04	NR	NR	2.90 1.80	0.69 -0.51	3.54 2.25	0.48 1.22	3.53 1.87	-0.17 1.19	4.08 2.68	0.08 1.47	3.57 2.77	-0.06 0.57	04
05	NR	NR	2.62 1.60	0.12 -0.29	4.24 2.84	0.86 1.62	3.66 2.01	-0.30 1.20	4.18 2.74	0.67 1.36	3.58 3.07	0.19 0.58	05
06	NR	NR	2.56 1.74	-0.14 0.00	4.28 2.99	0.75 1.72	3.90 2.31	-0.21 1.54	4.13 2.74	0.82 1.01	3.52 3.41	0.41 0.65	06
07	NR	NR	2.83 1.98	-0.22 0.30	4.20 2.89	0.35 1.71	4.10 2.51	-0.07 1.45	3.75 2.40	-0.37 0.43	3.42 3.78	0.57	07
08	NR	NR	3.06 2.24	-0.20 0.63	4.36 2.92	0.22 1.72	4.06 2.51	-0.17 1.36	3.44 2.67	-0.35 0.42	0.66 0.75	3.32 3.87	08
09	NR	NR	3.38 2.36	-0.15 0.77	4.28 2.93	0.15 1.77	4.10 2.64	-0.07 1.17	3.36 3.00	-0.12	0.51 0.71	2.95 3.90	09
10	NR	NR	3.43 2.31	-0.28 0.78	4.39 3.25	0.33 2.06	3.93 2.68	-0.18 1.08	3.23 3.29	0.60 1.06	3.00 3.99	10	
11	NR	NR	3.39 2.13	-0.52 0.70	4.69 3.44	0.67 2.04	3.72 2.82	-0.14	0.63 0.47	3.18 1.66	0.68 1.37	2.84 4.05	11
12	NR	NR	3.36 2.31	-0.58 1.08	4.44 3.17	0.30	0.95 -0.16	3.39 3.02	0.72 0.58	2.84 3.77	0.52 1.55	2.83 4.01	12
13	NR	NR	3.63 2.90	-0.31 1.85	1.65 3.43	3.95	0.80 -0.01	3.14 3.39	0.53 0.67	2.51 3.76	0.42 1.57	2.94 3.89	13
14	NR	NR	4.14 2.92	0.11	1.97 0.47	3.98 3.76	0.97 0.37	3.12 3.69	0.32 0.95	2.37 3.83	0.27 1.33	2.85	14
15	NR	NR	1.59 -0.15	3.74 2.94	1.83 0.53	3.61 3.78	0.66 0.11	2.44 3.42	0.17 1.28	2.46 3.95	3.62 2.40	0.05 1.11	15
16	NR	NR	1.54 -0.21	3.48 2.97	1.27 0.35	3.01 3.78	0.14 0.29	2.01 3.63	0.14 1.31	2.55	3.42 2.76	0.12 0.45	16
17	NR	NR	1.39 -0.40	3.13 2.84	0.88 0.87	2.77 3.95	0.09 1.01	2.25 3.94	3.84 2.76	0.03 1.28	3.29 2.90	0.20 0.80	17
18	NR	NR	1.08 0.03	2.88 3.38	0.43 0.80	2.41 3.95	0.67 1.21	2.34 3.94	3.72 2.55	-0.11 0.98	3.31 3.07	0.43 0.83	18
19	NR	NR	1.00 0.56	2.86	4.12 2.43	0.41 0.84	3.90 2.47	-0.04 1.35	3.55 2.52	-0.16 0.83	3.26 3.05	0.43 0.58	19
20	NR	NR	3.86 2.13	-0.11 -0.20	3.98 2.50	-0.02 1.30	4.00 2.57	-0.04 1.35	3.37 2.62	-0.15 0.82	2.94 2.49	0.29 0.34	20
21	NR	NR	3.20 2.22	-0.11 0.34	4.15 2.56	-0.01 1.31	3.94 2.50	-0.04 1.24	3.43 2.49	0.08 0.95	2.88 3.03	0.45 0.26	21
22	NR	NR	3.59 2.45	-0.04 0.63	4.10 2.69	-0.08 1.43	3.89 2.64	-0.06 1.19	3.41 2.83	0.16 0.74	2.65 2.99	0.43	22
23	NR	NR	3.81 2.57	-0.01 0.86	4.06 2.60	-0.04 1.46	3.83 2.72	-0.01 1.19	3.16 2.90	0.13	0.81 0.27	2.76 2.83	23
24	NR	NR	3.94 2.84	-0.10 1.18	3.94 2.59	-0.05 1.12	3.76 2.75	0.06 1.08	0.60 0.12	2.94 2.88	-0.25 0.42	2.07 2.93	24
25	NR	NR	4.02 2.68	-0.17 1.21	3.49 2.38	-0.56 1.03	3.49 2.86	-0.04	0.47 0.37	2.76 3.13	-0.23 0.76	2.08 3.15	25
26	NR	NR	3.98 2.96	-0.06 1.45	3.27 2.56	-0.52	1.10 0.14	3.35 3.07	0.88 0.75	2.92 3.45	-0.05 1.16	2.29 3.37	26
27	NR	NR	4.05 2.86	-0.09	1.13 -0.48	3.13 2.62	1.14 0.53	3.22 3.41	0.63 0.52	2.31 3.22	0.13 1.50	2.42 3.43	27
28	NR	NR	1.46 -0.27	3.70 2.80	1.03 -0.49	2.73 2.75	1.29 0.56	3.01 3.46	0.20 0.59	1.89 3.14	0.05 1.33	2.45 3.28	28
29	NR	NR	1.46 -0.38	3.43 2.94	1.01 -0.28	2.45 2.85	1.03 0.48	2.50 3.34	-0.10 0.85	1.72 1.72	-0.11 1.19	2.52 3.28	29
30	1.31 -0.39	3.42 2.80	1.78 -0.07	3.42 1.31	-0.76 -0.10	1.94 3.05	0.59 0.43	1.89 3.24	-0.24 1.31	1.87 3.44	0.88 0.98	2.49	30
31			1.90 0.15	3.14 3.38			0.21 0.71	1.62 3.38	-0.32 1.38	2.14 1.59			31
MAXIMUM	NR			4.14		4.69		4.10		4.18		4.05	MAXIMUM
MINIMUM	NR			-0.58		-0.56		-0.30		-0.37		-0.26	MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 9.7 - 12-26-55

ZERO OF GAGE: 1952  
1964  
1964 TO 1971  
1971-2.84 USCGS  
-3.39 USCGS  
-3.00 USCGS  
0.00 USCGS

TABLE B-12 (CONTINUED)

## DAILY TIDES

B95060 THREE MILE SLOUGH AT SAN JOAQUIN RIVER  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.34 2.83	0.08 0.02	NR	NR	-0.50 1.13	2.19 3.72	-1.14 0.15	1.93 2.59	0.36 0.45	3.44 2.70	0.00 0.01	3.26 2.47	01
02	2.47 3.20	0.52 0.14	NR	NR	-0.42 1.27	2.44 3.68	-0.89 -0.01	2.17 2.01	0.64 0.33	3.63 2.10	0.24 -0.36	3.17 1.82	02
03	2.51 3.19	0.65	NR	NR	-0.25 1.39	2.70 3.89	-1.04 -0.40	2.11 1.42	0.38 0.04	3.42 2.24	-0.09 -0.61	2.89 1.72	03
04	-0.14 0.70	2.31 3.26	NR	NR	0.25 1.43	3.09 3.35	-0.93 -0.50	2.50 1.10	1.34 0.00	3.83 -0.47	0.69 -0.37	3.15 2.11	04
05	-0.21 0.87	2.20 3.27	-0.63 0.94	2.14 2.84	-0.19 0.68	2.74 2.24	-0.75 -0.72	2.54 1.11	1.92 3.29	0.89 -0.47	1.13 -0.25	3.25	05
06	-0.30 1.01	2.06 3.18	-0.70 0.72	2.16 2.39	-0.64 0.14	2.58 1.67	-0.12 -0.40	3.17	1.74 3.10	0.81 -0.49	2.25 3.27	-1.44 -0.29	06
07	-0.48 1.28	2.09 3.37	-0.76 0.72	2.48 2.41	-0.57 -0.13	2.74 1.63	1.90 3.29	0.49 -0.49	2.44 3.38	1.05 -0.29	2.36 3.72	1.43 0.47	07
08	-0.24 1.28	2.27 3.13	-0.65 0.01	2.32 1.90	-0.25 -0.57	2.71	1.98 3.75	1.20 -0.16	2.29 3.46	1.08 -0.02	2.83 3.26	1.32 0.03	08
09	-0.41 1.06	2.31 2.96	-0.61 -0.30	2.50	1.45 2.47	0.04 -0.57	2.06 3.09	0.69 -0.82	2.90 3.76	1.36 0.71	2.54 3.10	0.87 -0.05	09
10	-0.44 0.68	2.38 2.82	1.75 2.56	-0.47 -0.58	1.71 3.25	0.41 -0.53	1.70 3.03	0.63 -0.94	3.18 3.50	1.31 0.08	2.69 3.04	0.77 0.11	10
11	-0.40 0.18	2.40	1.69 2.71	-0.28 -0.66	1.81 3.30	0.60 -0.62	1.56 2.96	0.46 -0.95	3.50 2.92	0.79 -0.07	2.83 2.97	0.61 0.19	11
12	2.56 2.45	-0.53 -0.13	1.76 2.96	0.01 -0.66	1.85 3.37	0.73 -0.56	1.53 2.51	0.23 -1.26	2.59 3.17	0.76 0.38	2.71 2.77	0.39 0.16	12
13	2.45 2.67	-0.31 -0.27	1.93 3.23	0.37 -0.52	1.89 3.09	0.67 -0.90	1.36 2.43	0.08	3.27 3.08	1.11	2.83 2.86	0.39 0.36	13
14	2.38 2.86	-0.14 -0.36	2.07 3.43	0.65 -0.34	1.71 3.01	0.59	-1.11 0.21	1.58 2.33	0.46 0.76	3.06 2.53	2.73 2.47	0.89 0.35	14
15	2.26 2.87	-0.06 -0.55	2.27 3.43	0.94	-0.91 0.57	1.70 2.77	-1.03 0.20	1.74 2.17	0.16 0.44	2.68 2.13	2.86 2.45	0.01 1.05	15
16	2.15 3.07	0.16 -0.51	-0.47 0.94	2.13 3.28	-1.04 0.55	1.65 2.50	-0.95 0.13	1.89 1.84	0.31 0.31	2.92 1.49	3.43 2.17	0.16	16
17	NR	NR	-0.55 0.92	2.08 2.93	-0.96 0.62	1.81 2.47	-0.97 -0.15	1.79 1.26	0.12 0.11	2.58 1.26	0.62 -0.16	2.91 1.87	17
18	NR	NR	-0.70 1.12	2.16 2.76	-0.90 0.64	1.98 1.96	-1.01 -0.33	1.78 1.00	-0.31 -0.23	2.62 1.10	0.87 -0.16	3.07 1.85	18
19	NR	NR	-0.74 0.90	1.96 2.19	-1.05 0.40	1.94 1.45	-0.78 -0.68	1.89 0.52	0.67 -0.17	2.99	1.11 -0.05	3.17 2.02	19
20	NR	NR	-0.89 0.99	2.06 2.21	-1.06 0.07	1.87 0.96	-0.56 -0.68	2.13 0.81	1.69 3.07	1.18 -0.60	1.34 -0.43	2.92 1.98	20
21	NR	NR	-0.27 1.69	3.29 2.19	-0.94 0.07	2.13 0.92	0.13 -0.80	2.57	1.38 2.74	0.84 -0.96	1.28 0.42	2.92	21
22	NR	NR	-0.25 0.23	2.47 1.25	-0.63 -0.55	2.16 0.63	0.98 2.72	0.43 -1.01	1.31 2.76	0.48 -1.01	3.02 3.32	1.67 0.03	22
23	NR	NR	-0.52 -0.29	2.20 -0.93	-0.42 -0.93	2.21	1.10 3.01	0.57 -0.94	1.60 2.86	0.27 -0.91	2.66 3.11	1.04 -0.21	23
24	NR	NR	1.09 2.30	-0.44 -0.29	0.65 2.47	-0.12 -1.03	1.39 3.18	0.62 -0.86	1.88 3.04	0.14 -0.59	2.76 3.28	0.79 0.21	24
25	NR	NR	1.68 2.73	0.14 -0.50	1.01 2.92	0.22 -0.87	1.63 3.35	0.61 -0.71	2.31 3.16	0.23 -0.28	3.57 3.91	1.67 0.57	25
26	NR	NR	1.51 2.97	0.27 -0.51	1.50 3.34	0.67 -0.71	1.89 3.46	0.68 -0.73	2.57 2.85	0.02 -0.39	3.08 3.07	0.45 0.39	26
27	NR	NR	1.72 3.15	0.49 -0.59	1.90 4.18	1.21 0.05	1.78 3.13	0.23 -0.75	2.57 2.57	-0.23	3.38 2.92	0.37 0.37	27
28	NR	NR	1.90 3.43	0.78 -0.56	2.27 3.55	0.94 -0.50	1.92 3.10	0.14	-0.32 -0.22	2.86 2.41	3.22 2.42	-0.08 0.37	28
29	NR	NR	1.95 3.39	0.76 -0.58	2.00 3.47	0.70	-0.69 -0.04	2.07 2.70			3.54 2.59	-0.05	29
30	NR	NR	2.10 3.63	1.02	-0.77 0.51	1.91 3.27	-0.68 0.03	2.39 2.58			0.66 -0.05	3.64 2.64	30
31	NR	NR			-0.85 -0.11	1.55 2.51	-0.44 0.31	2.73 2.89			1.09 -0.02	3.76 2.39	31
MAXIMUM	NR		NR		4.18		3.75		3.83		3.91		MAXIMUM
MINIMUM	NR		NR		-1.06		-1.26		-1.01		-0.61		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 05 15, LONG. 121 41 08, SE SEC. 19, T3N, R3E,  
ON SHERMAN ISLAND, 4.9 MILES SOUTH OF RIO VISTA.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE B-12 (CONTINUED)

## DAILY TIDES

895060 THREE MILE SLOUGH AT SAN JOAQUIN RIVER  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.05 -0.51	3.08 1.95	NR	NR	1.34 -0.07	2.29 3.03	0.18 -0.23	1.17 2.77	-0.29 0.92	1.44 3.26	-0.54 0.75	1.48	01
02	0.91 -0.66	2.61 1.95	0.95 -0.91	2.17 2.25	0.91 0.04	1.90 3.03	-0.11 0.13	1.01 2.91	-0.45 1.12	1.54 3.42	3.15 2.91	-0.59 0.61	02
03	1.04 -0.45	2.49	0.62 -0.61	1.81 2.51	0.37 0.29	1.56	-0.38 0.59	1.15 3.16	-0.54 1.23	1.90	3.28 2.21	-0.51 0.39	03
04	2.25 2.45	1.25 -0.28	0.37 -0.87	1.40	3.17 1.83	0.20 0.89	-0.48 0.87	1.47	3.74 2.29	-0.24 1.25	3.25 2.43	-0.40 0.26	04
05	2.53 2.38	1.14 -0.29	2.24 1.18	-0.18 -0.62	3.80 2.33	0.51 1.25	3.31 1.62	-0.59 0.93	3.85 2.35	-0.26 1.10	3.27 2.70	-0.15 0.23	05
06	2.45 2.28	0.64 -0.32	2.17 1.33	-0.46 -0.34	3.88 2.49	0.35 1.41	3.52 1.90	-0.54 1.24	3.81 2.32	-0.35 0.71	3.19 3.04	0.06 0.28	06
07	2.46 2.33	0.37 -0.13	2.47 1.59	-0.55 -0.02	3.81 2.44	-0.02 1.38	3.73 2.09	-0.43 1.14	3.43 2.05	-0.71 0.14	3.09 3.33	0.22	07
08	2.59 2.29	0.14 -0.07	2.72 1.85	-0.55 0.31	3.97 2.48	-0.13 1.41	3.72 2.11	-0.53 1.03	3.12 2.27	-0.70 0.13	0.30 0.46	2.96 3.54	08
09	2.58 2.29	-0.07 0.25	3.01 1.95	-0.52 0.45	3.88 2.52	-0.21 1.43	3.76 2.25	-0.42 0.89	3.04 2.64	-0.44 0.20	0.13 0.41	2.59 3.54	09
10	2.78 2.34	-0.21 0.34	3.06 1.92	-0.47 0.44	4.02 2.81	-0.07 1.72	3.59 2.31	-0.45 0.79	2.88 2.95	-0.25 0.26	0.26 0.78	2.57 3.63	10
11	2.89 2.36	-0.26 0.59	3.02 1.74	-0.86 0.43	4.26 2.97	0.20 1.69	3.39 2.44	-0.51 0.44	0.34 0.14	2.82 3.30	0.11 1.10	2.47 3.69	11
12	3.10 2.23	-0.37 0.64	3.03 1.93	-0.95 0.80	4.07 2.76	-0.10	0.64 -0.52	3.05 2.67	0.38 0.25	2.45 3.39	0.18 1.27	2.46 3.62	12
13	3.23 2.42	-0.31 1.10	3.30 2.35	-0.68 1.47	1.32 -0.29	3.56 2.96	0.52 -0.35	2.78 3.03	0.17 0.37	2.10 3.41	0.10 1.30	2.52 3.41	13
14	3.55 2.42	-0.15 1.10	3.75 2.43	-0.32	1.60 0.04	3.59 3.26	0.67 -0.02	2.72 3.35	0.00 0.70	2.00 3.48	-0.09 1.07	2.44 3.22	14
15	3.24 2.09	-0.58	1.26 -0.56	3.35 2.47	1.41 0.09	3.18 3.36	-0.33 -0.21	2.05 3.09	-0.16 1.00	2.08 3.61	-0.17 0.84	2.44	15
16	1.11 -0.50	3.13 2.08	1.21 -0.62	3.49 2.53	0.95 -0.07	2.52 3.43	-0.18 0.02	1.53 3.30	-0.18 1.05	2.18 3.50	3.08 2.41	-0.20 0.55	16
17	1.22 -0.59	3.00 2.20	1.10 -0.77	2.73 2.48	0.54 0.48	2.15 3.60	-0.23 0.70	1.85 3.51	-0.31 1.00	2.27 2.98	2.98 2.51	-0.11 0.49	17
18	1.19 -0.68	2.62 1.98	0.78 -0.40	2.46 2.98	0.08 0.53	1.97 3.77	-0.26 0.89	1.93	3.37 2.20	-0.44 0.74	2.97 2.65	0.07 0.49	18
19	0.85 -1.06	2.20 0.63	0.65 0.03	2.35 3.47	0.04 0.53	2.02	3.65 2.09	-0.36 1.06	3.23 2.17	-0.48 0.56	2.88 2.65	0.09 0.27	19
20	1.96 2.14	0.38 -0.87	0.29 -0.56	1.74	3.62 2.10	-0.38 0.97	3.67 2.17	-0.34 1.05	3.03 2.26	-0.49 0.55	2.60 2.57	-0.03 0.03	20
21	2.38 2.41	0.23 -0.36	2.85 1.81	-0.45 0.00	3.80 2.14	-0.38 1.00	3.60 2.21	-0.38 0.95	3.10 2.52	-0.25 0.85	2.55 2.68	0.18 -0.06	21
22	2.84 2.44	0.11 -0.27	3.25 2.05	-0.42 0.29	3.75 2.45	-0.45 1.14	3.56 2.28	-0.40 0.89	3.05 2.49	-0.17 0.43	2.31 2.68	0.13	22
23	2.85 2.20	-0.35 -0.23	3.46 2.19	-0.41 0.52	3.72 2.35	-0.43 1.16	3.51 2.34	-0.33 0.69	2.83 2.52	-0.19 0.30	-0.28 0.01	1.91 2.49	23
24	3.04 2.81	-0.42 0.49	3.60 2.25	-0.49 0.45	3.59 2.20	-0.45 0.83	3.44 2.38	-0.29 0.79	2.60 2.52	-0.19	-0.55 0.18	1.73 2.60	24
25	3.52 2.45	-0.29 0.39	3.68 2.30	-0.56 0.89	3.14 1.99	-0.92 0.73	3.13 2.49	-0.38 0.81	0.18 0.08	2.42 2.76	-0.52 0.54	1.73 2.61	25
26	3.27 2.10	-0.74 0.33	3.65 2.49	-0.46 1.22	2.90 2.18	-0.87	3.01 2.70	-0.19	0.41 0.41	2.43 3.04	-0.34 0.94	1.93 3.00	26
27	3.30 2.03	-0.77 0.50	3.68 2.46	-0.48 1.17	0.85 -0.80	2.74 2.23	0.87 0.19	2.87 3.05	0.31 0.24	1.92 2.85	-0.17 1.24	2.03 3.03	27
28	3.18 2.05	-0.93 0.74	3.33 2.39	-0.65	0.71 -0.81	2.34 2.32	0.99 0.25	2.61 3.12	-0.89 0.34	1.51 2.76	-0.29 1.14	2.08 2.92	28
29	3.15 2.16	-0.81	1.19 -0.73	3.64 2.55	0.74 -0.63	2.05 2.47	0.75 0.17	2.06 3.01	-0.39 0.60	1.33 2.85	-0.41 0.95	2.16 2.93	29
30	NR	NR	1.50 -0.43	3.63 2.87	0.44 -0.46	1.53 2.66	0.32 0.17	1.54 2.69	-0.54 1.01	1.48 3.13	-0.33 0.70	2.33	30
31			1.62 -0.24	2.73 2.96			-0.08 0.48	1.23 3.02	-0.57 1.12	1.77 3.26			31
MAXIMUM	NR	NR	NR			4.26	3.76		3.85		3.69		MAXIMUM
MINIMUM	NR	NR	NR			-0.92	-0.59		-0.71		-0.59		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 5.9 - 4-6-58  
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE —  
RECORD NOT COMPLETE IN DECEMBER 1955.ZERO OF GAGE: 1929 TO 1940 0.00 USED  
1940 TO 1959 0.00 USGS  
1959 -10.00 USGS  
1964 -10.45 USGS  
1964 TO DATE 0.00 USGS

TABLE #12 (CONTINUED)

## DAILY TIDES

895020 SAN JOAQUIN RIVER AT ANTIOCH  
(OCTOBER 1, 1974; THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.35 2.86	-0.43 -0.55	0.30 -1.18	3.35	2.12 3.69	0.72	-1.89 -0.35	1.91 2.60	0.07 0.20	3.40 2.69	3.33 2.48	-0.52 -0.22	01
02	2.45 3.17	0.03 -0.48	2.09 3.38	0.63 -1.26	2.37 3.68	0.84	-1.60 -0.47	2.13 2.06	0.52 0.04	3.62 2.10	3.24 1.78	-0.91	02
03	2.48 3.20	0.19	1.97 3.18	0.53 -1.34	-0.66 1.19	2.68 3.80	-1.39 -0.67	2.19 1.48	0.16 -0.50	3.40 2.11	-0.28 -1.16	2.94 1.61	03
04	-0.72 0.20	2.27 3.26	1.90 2.99	0.53	-0.09 1.19	3.13 3.39	-1.22 -0.78	2.58 1.12	1.05 -0.58	3.81 1.92	0.35 -0.95	3.14 1.56	04
05	-0.80 0.53	2.14 3.26	-1.30 0.59	2.04 2.76	-0.52 0.50	2.78 2.28	-0.94 1.00	2.61 1.11	0.54 -1.08	3.25	0.84 -0.80	3.15 2.12	05
06	-0.91 0.67	1.97 3.13	-1.32 0.35	2.08 2.33	-0.96 -0.10	2.69 1.72	-0.30 -0.70	3.20	1.66 3.06	0.49 -1.13	1.17 -0.84	3.13	06
07	-1.07 0.96	2.01	-1.37 0.33	2.42 2.32	-0.82 -0.37	2.80 1.68	1.59 3.30	0.31 -0.92	1.98 3.36	0.66 -0.93	2.22 3.67	1.08 0.00	07
08	3.29 2.13	-0.85 0.94	-1.26 -0.47	2.29 1.85	-0.47 -0.84	2.83	1.92 3.76	-1.02 -0.56	2.24 3.43	0.67 -0.67	2.76 3.23	1.00 -0.60	08
09	3.00 2.20	-1.07	-1.18 -0.85	2.51 1.74	1.49 3.08	-0.14 -0.90	2.00 3.12	0.50 -1.19	2.87 3.69	0.88 0.09	2.45 3.04	0.42 -0.65	09
10	0.69 -1.02	2.88 2.33	1.00 -1.19	2.61	1.72 3.32	0.24 -0.89	1.69 3.10	0.44 -1.32	3.08 3.49	0.82 -0.58	2.66 3.82	0.38 -0.51	10
11	0.28 -0.99	2.79	1.68 2.74	-0.78 -1.33	1.92 3.38	0.41 1.00	1.57 3.00	0.28 -1.34	2.47 3.07	0.32 -0.73	2.79 2.94	0.16 -0.42	11
12	2.43 2.58	-0.29 -1.13	1.72 3.06	-0.46 -1.35	1.87 3.41	0.55 -0.91	1.54 2.56	0.05 -1.62	2.55 3.16	0.27 -0.24	2.70 2.75	-0.13 -0.42	12
13	2.49 2.51	-0.66 -0.47	1.88 3.25	-0.67 -1.24	1.84 3.12	0.24 -1.61	1.38 2.49	-0.09 -1.47	3.23 3.01	0.64 -0.14	2.88 2.84	0.15 0.04	13
14	2.72 2.42	-0.45	2.00 3.43	-0.22 -1.06	1.65 3.04	0.22 -1.63	1.62 2.38	0.04	2.97 2.43	0.26 -0.40	2.72 2.48	-0.24 0.05	14
15	-0.66 -0.99	2.94 2.29	2.21 3.43	0.70 -0.40	1.64 2.78	0.22 -1.70	-1.33 0.03	1.79 2.20	2.62 2.02	0.01	2.87 2.40	-0.36 0.78	15
16	-0.56 -1.22	2.95	2.08 3.28	0.78	1.62 2.44	0.23	-1.28 -0.64	1.90 1.84	-0.17 -0.14	2.85 1.38	3.40 2.13	-0.62 0.38	16
17	2.17 3.13	-0.30 -1.16	-0.48 0.72	2.04 2.90	-1.86 0.30	1.72 2.38	-1.27 -0.30	1.82 1.28	-0.21 -0.33	2.51 1.14	2.90 1.91	-0.54	17
18	2.17 3.18	-0.62 -1.24	-1.10 0.95	2.12 2.70	-1.52 0.32	1.90 1.84	-1.24 -0.46	1.81 1.00	0.04 -0.67	2.54 0.94	0.70 -0.49	3.03 1.78	18
19	2.10 3.23	0.18	-1.11 0.76	1.91 2.15	-1.62 0.12	1.86 1.34	-0.94 -0.84	1.90 2.18	0.51 -0.44	2.93 1.59	0.98 -0.36	3.14 1.89	19
20	-1.04 0.71	2.28 3.31	-1.21 0.86	2.02 2.15	-1.56 -0.24	1.82 0.85	-0.64 -0.86	2.58 0.77	0.86 -1.18	2.95	1.20 -0.74	2.84 1.80	20
21	-0.79 0.94	2.32 3.07	-0.57 1.52	3.18 2.14	-1.32 -0.23	2.09 0.79	0.01 -1.00	2.58 0.91	1.27 2.73	0.51 -1.63	1.14 0.05	2.82 2.95	21
22	-0.97 0.91	2.05 2.52	-0.51 -0.01	2.43 1.20	1.00 -0.49	2.16 0.49	0.31 -1.30	2.72	1.20 2.72	0.14 -1.71	1.51 -0.37	3.29	22
23	-1.10 1.46	2.29 2.17	-0.74 -0.57	2.20 1.05	-0.64 -1.45	2.24 0.52	1.07 3.02	0.41 -1.27	1.57 2.69	-0.12 -1.62	2.63 3.10	0.80 -0.64	23
24	0.19 -0.77	1.94 2.36	-0.64 -0.57	2.28	-0.44 -1.62	2.41	1.35 3.19	0.44 -1.23	1.90 3.11	-0.31 -1.30	2.78 3.30	0.50 -0.22	24
25	-0.02 -0.53	2.68 2.63	1.67 2.80	-0.06 -0.86	0.88 2.91	-1.51	1.61 3.39	0.40 -1.09	2.35 3.23	-0.30 -0.97	3.60 4.08	1.29 0.17	25
26	-0.16 -0.35	2.15	1.42 2.94	-0.15 -1.13	1.38 3.32	0.33 -1.38	1.87 3.56	0.44 -1.12	2.60 2.90	-0.53 -1.05	3.11 3.13	0.12 -0.08	26
27	2.81 2.60	-0.39 0.43	1.63 3.13	0.08 -1.28	1.80 4.17	0.81 -0.59	1.79 3.34	0.63 -1.14	2.62 2.63	-0.79 -0.91	3.39 3.00	-0.01 -0.08	27
28	3.56 2.31	0.67 -0.64	1.89 3.41	0.36 -1.26	2.47 3.60	0.59 -1.11	1.94 3.19	-0.11 -1.09	2.96 2.45	-0.79 -0.51	3.29 2.48	-0.44 0.02	28
29	3.11 2.15	-0.75	1.87 3.38	0.35 -1.31	2.02 3.49	0.23 -1.52	2.12 2.80	-0.30			3.64 2.60	-0.47 0.38	29
30	0.06 -1.08	3.12 1.99	2.00 3.61	0.61 -1.23	1.85 3.32	0.07 -1.42	-1.05 -0.21	2.45 2.67			3.70 2.66	-0.48	30
31	0.18 -1.24	3.21 1.97			1.55 2.95	-0.50	-0.80 -0.07	2.77 2.90			0.89 -0.36	3.80 2.80	31
MAXIMUM	3.56		3.61		4.17		3.76		4.81		4.08		MAXIMUM
MINIMUM	-1.24		-1.37		-1.70		-1.89		-1.71		-1.16		MINIMUM

LOCATION: LAT. 38 01 N, LONG. 121 48 W, SW SEC. 18, T2N, R2E,  
IN PUMP HOUSE ON WHARF AT CITY WATER WORKS IMMEDIATELY  
NORTH OF ANTIOCH.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE A-12 (CONTINUED)  
DAILY TIDES  
895020 SAN JOAQUIN RIVER AT ANTIOCH  
(APRIL 14 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.84 -0.91	3.11 1.90	0.92 -1.13	2.68 2.20	0.91 -0.56	2.13 2.89	-0.25 -0.57	1.02 2.69	-0.56 0.86	1.35 3.25	-1.06 0.41	1.40 3.13	01
02	0.76 1.00	2.57 1.89	0.80 -1.27	2.12 2.19	0.44 -0.45	1.72 2.95	-0.53 0.01	0.99 2.92	-0.72 1.01	1.59 3.40	-1.18 0.24	1.96 0.24	02
03	0.94 -0.75	2.47 2.20	0.42 -0.96	1.73 2.40	-0.08 -0.09	1.43 3.07	-0.62 0.39	1.08 3.18	-0.85 1.09	1.84 3.29	-1.12 2.21	1.12 -0.04	03
04	1.12 -0.58	2.42 1.14	0.17 -1.14	1.36 1.36	-0.34 0.57	1.68 3.66	-0.78 0.78	1.46 3.31	3.73 2.25	-0.57 1.08	3.30 2.44	-1.01 -0.18	04
05	2.56 2.38	1.01 -0.59	2.20 1.12	-0.41 -0.88	-0.14 0.80	2.17 0.80	-0.91 0.78	1.50 2.78	3.84 2.31	-0.64 0.86	3.32 2.73	-0.73 -0.24	05
06	2.48 2.29	0.50 -0.61	2.17 1.29	-0.74 -0.59	3.78 2.32	-0.34 0.94	3.52 1.86	-0.90 1.01	3.82 2.28	-0.76 0.50	3.21 3.07	-0.50 -0.26	06
07	2.48 2.29	0.16 -0.42	2.47 1.58	-0.86 -0.29	3.76 2.29	-0.75 0.96	3.73 2.04	-0.81 0.92	3.48 2.06	-1.11 -0.12	3.08 3.38	-0.30 -0.27	07
08	2.64 2.30	-0.11 0.36	2.72 1.83	-0.89 0.08	3.89 2.34	-0.86 0.95	3.73 2.10	-0.94 0.83	3.24 2.34	-1.29 -0.28	2.93 3.61	-0.06 0.06	08
09	2.64 2.30	-0.35 -0.01	2.96 1.86	-1.20 -0.03	3.84 2.40	-0.97 0.98	3.79 2.24	-0.80 0.62	3.13 2.71	-0.97 -0.21	-0.43 -0.02	2.57 3.55	09
10	2.86 2.37	-0.54 0.10	3.01 1.81	-1.40 0.00	3.95 2.67	-0.86 1.22	3.62 2.30	-0.85 0.58	2.96 3.03	-0.72 0.36	-0.36 0.37	2.50 3.60	10
11	2.91 2.25	-0.89 0.06	2.96 1.66	-1.41 0.05	4.19 2.80	-0.61 1.15	3.42 2.48	-0.90 0.39	-0.07 -0.27	2.86 3.34	-0.47 0.77	2.40 3.64	11
12	3.05 2.15	-0.99 0.19	3.01 1.85	-1.65 0.38	3.97 2.64	-0.89 0.85	3.10 2.71	-0.89 0.30	-0.06 -0.12	2.45 3.42	-0.41 0.95	2.31 3.53	12
13	3.19 2.28	-0.95 0.62	3.28 2.23	-1.39 0.70	3.49 2.83	-1.04 0.83	0.30 -0.69	2.82 3.09	-0.31 -0.01	2.07 3.40	-0.50 0.94	2.37 3.31	13
14	3.44 2.27	-0.83 0.66	3.64 2.19	-1.09 0.71	1.06 -0.71	3.48 3.09	0.46 -0.31	2.74 3.40	-0.51 0.40	1.88 3.45	-0.70 0.68	2.34 3.11	14
15	3.15 1.97	-1.27 0.75	3.24 2.30	-1.32 0.73	0.80 -0.62	3.06 3.25	0.04 -0.48	2.08 3.17	-0.69 0.68	1.95 3.54	-0.79 0.43	2.38 2.98	15
16	3.03 1.91	-1.29 0.73	0.73 -1.37	2.97 2.42	0.41 -0.70	2.44 3.38	-0.47 -0.19	1.64 3.35	-0.72 0.72	2.07 3.44	-0.78 0.12	2.34 0.12	16
17	1.08 -0.93	2.94 2.12	0.69 -1.47	2.64 2.38	-0.02 -0.08	2.01 3.51	-0.50 0.50	1.82 3.64	-0.84 0.56	2.16 0.56	2.91 2.46	-0.68 0.01	17
18	1.02 -1.24	2.55 2.90	0.36 -1.09	2.37 2.68	-0.56 0.05	1.87 3.72	-0.59 0.70	1.96 3.67	3.33 2.13	-1.12 0.35	2.94 2.60	-0.49 -0.02	18
19	0.70 -1.39	2.24 1.94	0.13 -0.64	2.22 3.31	-0.95 -0.05	1.91 3.56	-0.70 0.84	2.09 0.84	3.24 2.13	-1.06 0.17	2.82 2.59	-0.46 -0.27	19
20	0.21 -1.21	2.16 1.18	-0.18 -1.18	1.76 2.65	-1.09 0.55	1.97 0.55	3.70 2.19	-0.72 0.82	3.03 2.22	-1.07 0.14	2.59 2.61	-0.54 -0.49	20
21	2.40 2.44	0.02 -0.72	-1.13 -0.54	1.76 0.57	3.76 2.03	-1.10 0.57	3.65 2.21	-0.74 0.76	3.11 2.48	-0.80 0.23	2.52 2.68	-0.26 -0.57	21
22	2.86 2.46	-0.21 -0.67	3.26 1.98	-1.17 -0.24	3.72 2.14	-1.18 0.72	3.61 2.29	-0.78 0.70	3.05 2.44	-0.71 0.02	2.28 2.58	-0.28 -0.82	22
23	2.90 2.22	-0.69 -0.54	3.45 2.11	-1.18 0.01	3.69 2.17	-1.25 0.68	3.54 2.35	-0.69 0.64	2.82 2.49	-0.67 -0.11	1.86 2.49	-0.39 -1.10	23
24	3.13 2.85	-0.79 0.20	3.62 2.18	-1.29 0.37	3.53 2.10	-1.23 0.36	3.48 2.40	-0.66 0.67	2.59 2.52	-0.66 -0.20	1.66 2.58	-0.15 0.15	24
25	3.56 2.48	-0.71 0.12	3.70 2.22	-1.35 0.43	3.11 1.92	-1.67 0.30	3.19 2.50	-0.72 0.65	2.39 2.75	-0.32 0.25	-1.04 0.24	1.64 2.76	25
26	3.32 2.10	-1.19 0.09	3.63 2.38	-1.24 0.70	2.84 2.11	-1.58 0.42	3.03 2.71	-0.50 0.02	-0.01 -0.02	2.36 2.93	-0.88 0.64	1.81 2.90	26
27	3.32 2.01	-1.22 0.25	3.63 2.35	-1.24 0.73	2.68 2.15	-1.48 0.31	0.70 -0.08	2.87 3.06	-0.19 -0.09	1.83 2.78	-0.76 0.97	1.87 2.88	27
28	3.20 2.04	-1.33 0.23	3.30 2.31	-1.29 0.82	0.31 -1.43	2.24 2.27	0.80 0.01	2.66 3.12	-0.53 0.08	1.38 2.73	-0.90 0.90	1.90 2.62	28
29	0.53 -1.24	3.16 2.13	2.96 2.47	-1.39 0.73	0.34 -1.13	1.95 2.42	-0.57 -0.04	2.06 3.02	-0.85 0.37	1.75 2.16	-0.96 0.64	2.05 2.84	29
30	0.84 -1.10	3.02 2.19	1.14 -1.06	2.91 2.75	0.11 -0.98	1.43 2.56	0.11 0.02	1.47 2.90	-1.06 0.75	1.31 3.03	-0.90 0.30	2.95 2.74	30
31			1.25 -0.79	2.61 2.88			-0.30 0.40	1.18 2.98	-1.07 0.86	1.66 3.20			31
MAXIMUM	3.56	3.70	4.19	3.79	3.84	3.64	MAXIMUM						
MINIMUM	-1.39	-1.65	-1.67	-0.94	-1.29	-1.18	MINIMUM						

MAXIMUM GAGE HEIGHT OF RECORD: 6.2 - 12-26-55

ZERO OF GAGE: 1929 TO 1940 0.00 USED  
1940 TO 1957 0.00 USGS  
1957 TO 1957 -9.71 USGS  
1957 -9.96 USGS  
1964 -10.11 USGS  
1964 TO DATE 0.00 USGS

TABLE 8-12 (CONTINUED)

## DAILY TIDES

E03300 SUISUN BAY AT BENICIA  
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.50 3.11	-1.30 -1.59	2.09 3.53	-0.28 -2.54	2.27 3.90	0.25 -2.55	2.16 2.87	-1.08 -2.91	3.79 2.82	-0.74 -0.43	3.60 2.67	-1.77 -1.18	01
02	2.58 3.24	-0.88 -1.66	2.18 3.64	0.12 -2.59	2.55 3.79	0.35 -2.31	2.39 2.12	-1.29 -2.87	3.81 2.05	-1.12 -0.70	3.53 1.92	-2.10 -0.99	02
03	2.55 3.39	-0.56 -1.94	2.10 3.33	0.66 -2.60	3.02 4.26	0.70 -1.56	2.46 1.50	-1.75 -2.47	3.56 2.09	-1.58 1.76	3.19 2.26	-2.26 -0.66	03
04	2.35 3.41	-0.32 -1.95	2.04 3.10	0.69 -2.56	3.18 3.31	0.20 -2.11	2.90 1.12	-1.92 1.12	0.46 -1.76	3.79 1.78	3.26 2.00	-2.69 1.78	04
05	2.14 3.30	0.03 -2.04	2.14 2.83	0.18 -2.63	2.87 2.26	-0.46 -2.26	-1.93 -2.16	2.84 1.11	0.10 -2.39	3.75 1.33	0.46 -1.87	3.21 2.18	05
06	2.02 3.24	0.29 -2.16	-2.51 -0.10	2.25 2.46	-2.41 -1.15	2.85 1.68	-0.90 -1.98	3.46 1.57	0.10 -2.48	3.12 1.33	0.85 -1.86	3.26 2.45	06
07	2.02 3.20	0.54 -2.20	-2.44 -0.25	2.66 2.33	-2.06 -1.67	2.97 1.65	-0.33 -2.24	3.47 1.87	2.07 -2.25	0.24 -0.76	0.78 -0.76	3.05 2.67	07
08	2.00 0.46	2.04 2.88	-2.33 -1.30	2.51 1.91	-1.48 -2.24	3.06 1.48	0.22 -2.24	3.74 1.88	2.35 3.56	0.14 -1.93	0.49 -1.84	3.26 2.50	08
09	-2.20 0.16	2.16 2.81	-2.25 -1.85	2.78 1.84	-0.98 -2.43	3.25 1.77	-0.36 -2.95	3.15 1.77	2.97 3.76	0.16 -1.17	-0.43 -1.94	2.97 1.94	09
10	-2.23 -0.37	2.41 2.79	-1.91 -2.33	2.99 1.89	-0.53 -2.55	3.52 1.89	1.78 3.27	-0.17 -3.06	3.12 3.57	-0.07 -1.96	2.79 3.13	-0.42 -1.65	10
11	-2.11 -1.04	2.61 2.76	-1.58 -2.54	3.18 1.89	1.91 3.59	-0.31 -2.75	1.62 3.15	-0.39 -3.05	2.54 3.17	-0.58 -2.19	2.87 3.01	-0.43 -1.61	11
12	-2.21 -1.62	2.80 2.69	1.97 3.40	-1.12 -2.63	1.96 3.62	-0.10 -2.77	1.65 2.74	-0.67 -3.36	2.63 3.27	-0.59 -1.46	2.73 2.78	-1.28 -1.70	12
13	-1.94 -1.96	3.07 2.60	2.11 3.60	-0.67 -2.63	1.98 3.30	-0.26 -3.05	1.55 2.72	-0.72 -3.03	3.34 2.99	-1.48 -1.48	2.86 2.72	-1.37 -1.52	13
14	2.63 3.29	-1.68 -2.22	2.21 3.71	-0.33 -2.56	1.80 3.29	-0.23 -3.07	1.81 2.55	-0.62 -2.81	2.92 2.36	-0.95 -1.60	2.70 2.45	-1.78 -1.21	14
15	2.53 3.33	-1.45 -2.52	2.24 3.56	-0.10 -2.57	1.83 2.92	-0.22 -3.01	1.98 2.28	-0.64 -2.65	2.51 1.90	-0.93 -1.09	2.87 2.34	-1.94 -0.39	15
16	2.43 3.50	-1.07 -2.52	2.17 3.41	0.10 -2.58	1.82 2.62	-0.16 -2.93	2.11 1.88	-0.77 -2.48	2.61 1.24	-1.29 -0.92	3.26 1.94	-1.86 -0.65	16
17	2.39 3.50	-0.66 -2.54	2.11 2.96	0.13 -2.58	1.92 2.51	-0.13 -2.68	2.00 1.26	-1.04 -2.17	2.34 0.98	-1.38 -0.55	2.65 1.94	-2.04 -0.65	17
18	2.30 3.40	-0.30 -2.30	2.19 2.65	0.31 -2.56	2.10 1.93	-0.12 -2.63	2.00 0.76	-1.10 -1.50	2.40 0.82	-1.88 -0.42	2.64 1.63	-1.95 0.34	18
19	2.39 3.39	0.14 -2.04	1.94 2.14	0.24 -2.37	2.05 1.41	-0.24 -2.29	2.07 0.43	-1.47 -1.17	2.74 1.21	-1.80 -1.17	3.01 1.58	-1.93 0.54	19
20	2.34 3.64	0.52 -1.97	2.09 2.10	0.37 -1.40	2.00 0.89	-0.61 -1.76	2.18 0.68	-1.61 -1.15	0.35 1.13	2.80 1.61	2.65 1.61	-2.20 1.61	20
21	2.09 2.57	0.59 -2.57	3.35 1.90	0.88 -1.90	2.17 0.75	-0.61 -0.75	-0.51 -1.96	2.45 0.86	0.08 -3.21	2.59 1.14	0.58 -1.16	2.75 2.53	21
22	-1.97 0.65	2.23 2.33	-1.44 -0.78	2.39 1.11	-1.47 -1.60	2.09 0.42	-0.21 -2.48	2.72 0.93	-0.28 -3.35	2.79 1.05	0.71 -2.17	3.20 2.45	22
23	-1.81 0.10	2.24 1.93	-1.49 -1.45	2.25 1.63	-1.12 -2.38	2.12 0.47	-0.11 -2.59	3.00 1.36	-0.77 -3.25	3.04 1.36	-0.34 -2.66	2.95 2.77	23
24	-1.78 -0.20	2.26 1.94	-1.22 -1.57	2.44 1.59	-0.79 -2.63	2.45 0.90	-0.14 -2.72	3.29 1.36	2.06 3.37	-1.18 -2.93	-0.80 -2.38	3.25 2.38	24
25	-1.50 -0.57	2.48 2.63	-0.76 -2.10	2.83 1.40	-0.54 -2.57	3.05 1.40	1.66 3.58	-0.21 -2.76	2.58 1.53	-1.40 -2.81	3.49 3.73	-0.78 -2.36	25
26	-1.32 -0.92	2.74 2.12	-0.68 -2.30	3.11 1.40	1.45 3.50	-0.07 -2.64	1.91 3.69	-0.29 -2.92	2.79 3.16	-1.85 -2.60	2.88 2.96	-2.30 -2.35	26
27	-1.15 -1.20	2.95 2.72	1.64 3.29	-0.53 -2.56	1.93 4.47	0.45 -1.79	1.85 3.57	-0.88 -2.99	2.92 2.94	-2.29 -2.29	3.29 2.90	-2.54 -2.30	27
28	-0.36 -1.07	3.49 3.62	1.87 3.62	-0.11 -2.62	2.75 3.83	0.00 -2.79	2.10 3.48	-1.12 -2.79	3.32 2.73	-2.07 -1.73	3.33 2.45	-3.02 -1.71	28
29	2.27 3.29	-0.85 -1.83	2.01 3.66	-0.10 -2.77	2.85 3.81	-0.41 -3.12	2.40 3.11	-1.36 -2.64	3.29 2.79	-2.92 -2.16	3.72 2.57	-2.92 -1.19	29
30	2.27 3.30	-0.63 -2.33	2.14 3.85	0.12 -2.74	2.85 3.66	-0.56 -3.22	2.79 2.90	-1.33 -2.16	3.29 2.79	-2.79 -2.16	3.68 2.57	-2.78 -0.30	30
31	2.14 3.44	-0.37 -2.52	2.14 3.44	-0.37 -2.52	2.14 3.44	-0.37 -2.52	2.14 3.44	-0.37 -2.52	2.14 3.44	-0.37 -2.52	2.14 3.44	-0.37 -2.52	31
MAXIMUM	3.50		3.85		4.47		3.74		3.81		3.85		MAXIMUM
MINIMUM	-2.54		-2.77		-3.30		-3.30		-3.35		-3.02		MINIMUM

LOCATION: LAT. 38 02 27 LONG. 122 08 04, SW SEC. 6, T2N, R24W,  
ON CHANNEL SIDE OF WHARF IMMEDIATELY SE OF BENICIA.PERIOD OF RECORD: 1929 TO DATE  
INTERMITTENT 1929 TO 1940

TABLE B-12 (CONTINUED)  
DAILY TIDES  
EQ300 SUI SUN WAY AT RENICIA  
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
1	3.00 1.70	-2.84 0.08	2.00 2.02	-2.00	0.13 -1.44	1.81 2.66	-0.80 -1.07	0.94 2.61	-1.52 0.34	1.21 3.05	-2.16 -0.63	1.77 3.15	1
2	2.47 1.67	-2.60	0.11 -2.03	1.97 2.04	-0.43 -1.14	1.50 2.88	-1.21 -0.56	0.86 2.74	-1.84 0.49	1.44 3.25	-2.37 -0.27	2.05 3.40	2
3	0.31 -2.04	2.32 2.06	-0.27 -2.07	1.71 2.24	-0.82 -0.53	1.36 3.06	-1.63 -0.28	0.87 2.98	-2.08 0.48	1.75 3.37	-2.36 -0.67	2.36 3.52	3
4	0.59 -1.77	2.37 2.44	-0.80 -2.10	1.23 2.13	-1.17 0.08	1.76 3.39	-1.94 0.05	1.24 3.18	-2.07 0.33	2.06 3.79	-2.25 1.00	2.66 -1.36	4
5	0.42 -1.73	2.35 2.47	-1.32 -1.71	1.02 2.11	-1.40 0.12	1.91 3.52	-2.25 0.14	1.46 3.46	-2.24 0.05	2.22 3.92	-2.48 2.87	-2.12 -1.37	5
6	-0.28 -1.78	2.29 2.47	-1.84 -1.42	1.23 2.39	-1.67 0.29	2.13 3.73	-2.45 0.26	1.73 3.66	-2.31 -0.47	2.24 3.14	-2.61 -1.49	-2.01 -1.49	6
7	-0.90 -1.61	2.20 2.73	-2.15 -1.14	1.48 2.72	-2.07 0.30	2.21 3.88	-2.63 0.08	1.84 3.76	3.61 2.20	-2.05 -1.01	3.09 3.49	-1.61 -1.56	7
8	-1.25 -1.60	2.34 2.71	-2.27 -0.84	1.73 2.95	-2.35 0.44	2.37 0.44	-2.69 0.00	2.07 3.42	-2.56 -1.18	2.87 3.66	-1.36 -1.74	-1.36 -1.74	8
9	-1.72 -1.19	2.33 -1.04	-2.56 -0.75	1.83 3.04	3.91 2.46	-2.60 0.45	3.77 2.12	-2.68 -0.29	3.27 2.68	-2.24 -1.20	2.64 3.68	-1.66 -1.73	9
10	2.91 2.37	-2.04 -1.04	-2.83 -0.65	1.81 -0.65	4.01 2.69	-2.54 0.56	3.61 2.30	-2.74 -0.42	2.49 3.17	-1.96 -1.15	2.37 3.67	-0.66 3.67	10
11	3.05 2.33	-2.24 -0.83	3.05 1.70	-3.11 -0.51	4.09 2.68	-2.49 0.37	3.42 2.48	-2.63 -0.63	2.71 3.45	-1.80 -1.31	-1.71 0.03	2.65 3.23	11
12	3.13 2.20	-2.35 -0.57	3.13 2.01	-3.10 -0.09	3.84 2.69	-2.63 0.18	3.12 2.77	-2.47 -0.75	2.23 3.42	-1.23 -1.23	-1.67 0.30	2.17 3.42	12
13	3.24 2.36	-2.32 -0.10	3.41 2.22	-2.86 0.18	3.46 2.88	-2.86 0.03	2.85 3.10	-2.11 -0.74	-1.61 -0.92	1.46 3.45	-1.76 0.30	2.71 3.15	13
14	3.42 2.30	-2.24 0.08	3.52 2.06	-2.75 0.00	3.22 3.00	-2.27 -0.26	2.55 3.32	-1.60 -0.33	-1.71 -0.33	1.71 3.42	-1.91 0.07	2.24 3.03	14
15	3.31 2.12	-2.63 0.34	3.15 2.20	-2.90 0.10	2.85 3.10	-1.94 -1.09	1.97 -1.49	1.97 3.30	-1.87 0.01	1.77 3.44	-1.98 -0.27	2.32 2.92	15
16	3.13 2.01	-2.60 0.47	2.92 2.45	-2.87 0.10	-0.64 -1.80	2.38 3.39	-1.66 -0.94	1.52 3.46	-1.98 0.12	1.93 3.33	-1.98 -0.61	2.38 2.85	16
17	2.88 1.93	-2.62 0.34	2.59 2.49	-2.81 -1.08	-1.08 -1.08	1.91 3.61	-1.79 -0.27	1.70 3.52	-2.09 -0.07	2.08 3.36	-1.98 -0.79	2.44 2.91	17
18	2.47 1.81	-2.76 -0.34	-0.34 -2.37	2.31 2.89	-1.64 -0.56	1.86 3.79	-2.07 -0.16	1.70 3.57	-2.21 -0.21	2.18 3.35	-1.80 -1.05	2.59 -1.05	18
19	0.05 -2.70	2.15 2.01	-0.80 -1.90	2.14 3.14	-1.86 -0.58	1.94 3.72	-2.22 0.08	1.97 3.66	-2.23 -0.43	2.22 3.14	2.75 2.60	-1.69 -1.71	19
20	-0.54 -2.62	2.12 2.53	-1.44 -2.23	1.59 3.12	-2.44 -0.12	2.01 3.87	-2.39 -0.05	2.07 3.61	-2.28 -0.33	2.34 2.72	2.65 2.72	-1.57 -1.47	20
21	-1.09 -2.26	2.41 3.02	-2.49 -1.40	1.87 3.49	-2.57 -0.03	2.13 3.85	-2.38 -0.02	2.14 3.85	3.17 2.54	-1.97 -0.52	2.52 2.82	-1.35 -1.66	21
22	-1.67 -2.22	2.43 3.18	-2.73 -1.04	2.03 3.62	-2.66 -0.10	2.19 3.82	3.65 2.32	-2.35 -0.08	2.98 2.52	-1.93 -0.79	2.29 2.69	-1.26 -1.89	22
23	-2.12 -1.95	2.45 3.47	-2.87 -0.73	2.19 3.81	3.84 2.26	-2.74 -0.03	3.55 2.37	-2.31 -0.19	2.83 2.59	-1.78 -1.01	1.90 2.66	-1.07 -2.09	23
24	-2.42 -1.16	2.82 -1.16	-2.99 -0.26	2.33 2.17	3.71 -0.25	-2.76 -0.25	3.34 2.42	-2.21 -0.22	2.80 2.64	-1.65 -1.08	1.80 2.76	-0.64 -2.01	24
25	3.79 2.45	-2.84 -1.12	3.92 2.40	3.00 -0.13	3.26 2.06	-3.06 -0.30	3.17 2.55	-2.10 -0.21	2.32 2.63	-1.36 -1.04	1.69 2.83	-0.15 -1.81	25
26	3.56 2.25	-3.17 -0.99	3.81 2.50	-2.97 -0.09	2.94 2.24	-2.86 -0.08	2.91 2.75	-1.81 -0.20	2.16 2.65	-1.01 -1.11	1.72 2.83	0.21 -1.89	26
27	3.50 2.12	-3.25 -0.67	3.72 2.45	-2.88 0.18	2.69 2.24	-2.68 -0.24	2.65 2.87	-1.39 -0.38	1.70 2.77	-0.74 -1.42	1.55 2.63	0.30 -1.55	27
28	3.35 2.14	-3.24 -0.21	3.36 2.45	-2.81 0.36	2.22 2.37	-2.44 -0.17	2.37 3.04	-1.19 -0.38	1.73 2.65	-0.40 -1.11	-2.08 0.37	1.65 2.71	28
29	3.20 2.19	-2.97 0.12	3.08 2.62	-2.74 0.64	1.93 2.46	-1.95 -1.95	1.94 2.95	-0.88 -0.88	-1.73 -0.11	1.04 2.57	-2.03 0.17	1.90 2.78	29
30	2.90 2.21	-2.74 0.29	2.85 2.79	-2.16 0.43	-0.38 -1.63	1.30 2.51	-0.78 -0.47	1.33 2.84	-1.98 0.28	1.09 2.80	-2.17 -0.36	2.22 2.84	30
31			2.38 2.74	-1.87			-1.22 -0.06	1.02 2.81	-2.04 -0.42	1.57 3.09			31
MAXIMUM	3.79		3.92		4.09		3.77		3.92		3.68		MAXIMUM
MINIMUM	-3.25		-3.11		-3.06		-2.74		-2.65		-2.37		MINIMUM

MAXIMUM 3.79 3.92 4.09 3.77 3.92 3.68 MAXIMUM  
MINIMUM -3.25 -3.11 -3.06 -2.74 -2.65 -2.37 MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 5.7 - 4/6/58

ZERO OF GAGE: 1929 TO 1940 -2.21 USCGS  
1940 TO 1962 -5.00 USCGS  
1962 TO DATE 0.00 USCGS



TABLE B - 13

## CONTENTS OF RESERVOIRS

(IN ACRE FEET)

WATER YEAR	STATION NO	STATION NAME
1975	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38,024	37,699	37,599	37,949	38,577	39,263	39,276	41,817	50,194E	44,885	40,776	32,565	1
2	38,024	37,699	37,612	37,974	38,653	39,276	39,263	42,230	50,120E	44,844	40,528	32,452	2
3	37,974	37,686	37,726	38,011	38,678	39,302	39,212	42,619	50,031E	44,802	40,242E	32,339	3
4	37,961	37,674	37,736	38,024	38,742	39,315	39,212	42,861	49,957E	44,747	39,957E	32,215	4
5	37,899	37,662	37,749	38,049	38,767	39,366	39,200	43,037	49,869E	44,705	39,686	32,092	5
6	NR	37,662	37,749	38,111	38,792	39,391	39,136	43,308E	49,795	44,664	39,315	31,969	6
7	37,836	37,662	37,761	38,136	38,818	39,481	39,110	43,580E	49,633	44,581	38,996	31,846	7
8	37,824	37,637	37,726	38,212	38,843	39,532	39,059	43,853E	49,427	44,498	38,653	31,724E	8
9	37,799	37,637	37,736	38,199	38,983	39,558	39,008	44,333E	49,207	44,360	38,363	31,602E	9
10	37,799	37,624	37,736	38,237	39,008	39,558	38,970	44,816E	49,002	44,195	38,024	31,547E	10
11	37,786	37,624	37,761	38,224	39,059	39,571	38,932	45,233E	48,754	44,017	37,699	31,436	11
12	37,749	37,624	37,749	38,237	39,123	39,558	38,907	45,652E	48,521	43,825	37,376	31,304	12
13	37,749	37,612	37,736	38,249	NR	39,532	38,983	46,144E	48,274	43,634E	37,055	31,172	13
14	37,736	37,612	37,736	38,262	NR	39,481	39,021	46,639E	48,028	43,471E	36,735	31,062	14
15	37,736	37,599	37,736	38,275	NR	39,430	39,059	47,138E	47,740	43,321E	36,417	30,975	15
16	37,739	37,587	37,786	38,275	NR	39,391	39,098	47,567E	47,453	43,186E	36,102	30,843	16
17	37,724	37,587	37,786E	38,300	NR	39,340	39,123	NR	47,123	43,077E	35,763	30,745	17
18	37,711	37,574	37,786E	38,300	NR	39,302	39,174	NR	46,867	42,969E	35,487	30,636	18
19	37,699	37,550	37,786E	38,312	39,443	39,276	39,276	NR	46,611	42,861E	35,236	30,528	19
20	37,674	37,562	37,786E	38,312	39,430	39,238	39,404	NR	46,356	42,754E	34,939	30,387	20
21	37,711	37,624	37,786E	38,312	39,417	39,327	39,507E	NR	46,088	42,659E	34,714	30,268	21
22	37,674	37,637	37,786E	38,338	39,391	39,289	39,686E	NR	45,792	42,565E	34,420	30,128	22
23	37,674	37,624	37,786E	38,350	39,379	39,276	39,918E	NR	45,470	42,471E	34,104	30,021	23
24	37,649	37,587	37,786E	38,375	39,366	39,302	40,294E	NR	45,331	42,378E	33,802	29,913	24
25	37,662	37,612	37,786E	38,388	39,327	39,366	40,541E	NR	45,247	42,244	33,547	29,774	25
26	37,649	37,612	37,786E	38,363	39,302	39,379	40,776E	NR	45,177	42,044E	33,374	29,646	26
27	37,674	37,612	37,786E	38,363	39,289	39,379	NR	NR	45,108	41,844E	33,237	29,529	27
28	37,686	37,587	37,786E	38,363	39,276	39,353	NR	50,269E	45,080	41,645E	33,111	29,401	28
29	37,699	37,587	37,799	38,338	NR	39,353	NR	50,269E	45,010	41,446E	32,974	29,285	29
30	37,699	37,599	37,961	38,338	NR	39,340	41,446E	50,269E	44,941	41,222E	32,837	29,158	30
31	37,711	37,961	37,961	38,388	NR	39,315	NR	50,269E	44,999	40,999	32,712	29,158	31
CHNG MAX. MIN.	-338 38,024 37,649	-112 37,699 37,550	+362 37,961 37,599	+427 38,388 37,949	+888 NR 38,577	+39 39,571 39,263	+2,131 41,446 38,907	+8,823 NR NR	-5,328 50,194 44,941	-3,942 44,885 40,999	-8,287 40,776 32,712	-3,554 32,565 29,158	CHNG MAX. MIN.

## WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
NR					29,158	5567.9	9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	14 SEC T & R. M O B & M	OF RECORD			INFLOW	CONTENT	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 53 36	120 11 17	NE 33 24N 16E					JAN 1962-DATE	1962		5500.00 USCGS
Station located at toe of Frenchman Dam on Little Lost Chance Creek, 7.1 miles north of Chilcoot.										
Frenchman Dam was completed in October 1961 and storage began in November 1961. The lake has a usable capacity of 53,582 acre-feet between elevations 5517 feet (invert of intake) and 5588 feet (crest of spillway). Not available for release, 1,835 acre-feet.										
Daily content given is shown at 2400 hours.										
Drainage area is 81.1 square miles.										

TABLE B - 13 (CONT.)  
CONTENTS OF RESERVOIRS  
(IN ACRE FEET)

WATER YEAR		STATION NO.		STATION NAME	
1975		A55383		LAKE DAVIS NEAR PORTOLA	

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	70,945	68,871	68,115	68,655	60,877	63,125	65,805	65,664	79,380	79,653	76,677	74,363	1
2	70,909	68,763	68,044	68,475	60,877	63,193	65,594	66,016	79,536	79,536	76,601	74,251	2
3	70,799	68,655	68,439	68,080	61,587	63,193	65,594	66,653	79,653	79,458	76,486	74,175	3
4	70,762	68,583	68,475	67,829	61,791	63,193	65,699	67,008	79,731	79,380	76,372	74,063	4
5	70,579	68,547	68,439	67,507	61,791	63,262	65,664	67,222	79,887	79,302	76,219	73,988	5
6	70,469	68,403	68,403	67,329	61,791	63,297	65,594	67,364	80,122	79,224	76,105	73,875	6
7	70,360	68,475	68,403	67,115	61,791	63,849	65,523	68,318	80,318	79,107	75,991	73,838	7
8	70,396	68,403	68,367	67,150	61,859	64,196	65,383	68,044	80,318	79,030	75,991	73,725	8
9	70,360	68,331	68,331	66,830	62,336	64,231	65,243	68,779	80,397	78,874	75,915	73,725	9
10	70,250	68,223	68,331	66,476	62,336	64,266	65,208	69,632	80,397	78,797	75,762	73,875	10
11	70,104	68,223	68,331	66,193	62,302	64,266	65,033	70,506	80,436	78,719	75,668	73,838	11
12	69,995	68,151	68,439	65,875	62,747	64,266	64,858	71,386	80,436	78,603	75,573	73,838	12
13	69,922	68,115	68,367	65,559	62,918	64,439	64,848	72,273	80,436	78,525	75,535	73,875	13
14	69,850	68,008	68,403	65,243	63,021	64,405	64,823	73,127	80,397	78,448	75,383	73,763	14
15	69,777	67,972	68,439	64,963	62,953	64,579	64,753	73,763	80,357	78,370	75,307	73,688	15
16	69,704	67,972	68,367	64,648	63,021	64,614	64,648	74,401	80,357	78,293	75,194	73,613	16
17	69,632	67,829	68,403	64,300	63,021	64,579	64,544	75,004	80,318	78,216	75,080	73,538	17
18	69,523	67,936	68,367	64,023	62,987	64,579	64,439	75,611	80,436	78,138	75,194	73,463	18
19	69,450	67,900	68,367	63,711	63,159	64,788	64,405	76,372	80,397	78,061	75,459	73,389	19
20	69,414	67,793	68,331	63,400	63,193	64,788	64,370	76,677	80,357	77,945	75,345	73,314	20
21	69,269	68,295	68,331	63,125	63,159	65,278	64,370	76,831	80,318	77,907	75,459	73,239	21
22	69,197	68,259	68,295	62,815	63,159	65,313	64,370	77,099	80,240	77,752	75,345	73,165	22
23	69,088	68,259	68,295	62,507	63,125	65,313	64,405	77,445	80,122	77,675	75,231	73,090	23
24	68,980	68,259	68,187	62,200	63,125	65,559	64,893	77,752	80,201	77,598	75,118	72,978	24
25	68,907	68,295	68,187	61,825	63,090	65,840	64,998	77,868	80,161	77,483	75,042	72,904	25
26	68,835	68,223	68,115	61,655	63,090	65,875	64,998	78,138	80,083	77,368	74,967	72,867	26
27	68,799	68,223	68,727	61,350	63,090	65,911	64,998	78,216	80,044	77,252	74,778	72,755	27
28	68,980	68,223	68,727	61,012	63,125	65,875	65,068	78,409	79,927	77,137	74,702	72,681	28
29	68,907	68,187	68,691	60,709		65,840	65,208	78,680	79,887	77,022	74,627	72,606	29
30	68,835	68,151	68,691	60,373		65,911	65,418	78,835	79,731	76,945	74,552	72,532	30
31	68,907		68,655	60,339		65,875		79,069		76,792	74,439		31
CHNG	-2,112	-756	+504	-8,316	+2,786	+2,750	-457	+13,651	+662	-2,939	-2,353	-1,907	CHNG
MAX.	70,945	68,871	68,727	68,655	63,193	65,911	65,805	79,069	80,436	79,653	76,677	74,363	MAX.
MIN.	68,799	67,793	68,044	60,339	60,877	63,125	64,370	65,664	79,380	76,792	74,439	72,532	MIN.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

MAXIMUM				MINIMUM			
CONTENT	GAGE HT.	MO.	DAY	CONTENT	GAGE HT.	MO.	DAY
80,436	5774.0	6	18	60,339	5768.5	1	31

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M O B & M	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 53 03	120 38 31	SW 1 23N 13E					DEC 1966-DATE	1966		5700.00	USCS
Station located near left abutment of Grizzly Valley Dam on Big Grizzly Creek, 5.3 miles north of Portola. Grizzly Valley Dam, creating Lake Davis, was completed in September 1967; however, storage by the contractor in order to test the outlet works, began on October 18, 1966. The lake has a usable capacity of 84,043 acre-feet between elevations 5700 feet (top of low-level intake) and 5775 feet (crest of spillway). Not available for release 108 acre-feet. Daily content given is shown at 2400 hours. Drainage area is 44.0 square miles.											

TABLE B - 13 (CONT.)

## CONTENTS OF RESERVOIRS

(IN ACRE FEET)

TABLE B - 13 (CONT.)

CONTENTS OF RESERVOIRS

(IN ACRE FEET)

WATER YEAR		STATION NO.	STATION NAME										
1975		A54473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION										
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20,596	20,094	19,963	20,033	14,175E	14,430	16,919	21,220	24,093	22,940	22,491	21,085	1
2	20,578	20,094	19,955	19,998	13,999E	14,488	17,022	21,518	24,112	22,912	22,445	21,031	2
3	20,551	20,094	19,990	19,773	13,790E	14,660	17,077	22,140	24,054	22,903	22,399	20,986	3
4	20,534	20,094	20,024	19,575	13,651E	14,711	17,172	22,482	23,996	22,893	22,334	20,951	4
5	20,507	20,094	20,024	19,378	13,617E	14,783	17,235	22,743	23,958	22,874	22,278	20,915	5
6	20,481	20,094	20,024	19,199	13,630E	14,841	17,243	23,006	23,929	22,865	22,223	20,870	6
7	20,463	19,998	20,033	19,030	13,637E	14,987	17,291	23,242	23,842	22,856	22,167	20,835	7
8	20,445	19,998	20,016	18,870	13,651E	15,104	17,347	23,470	23,737	22,837	22,112	20,790	8
9	20,428	19,990	20,016	18,652	13,665E	15,177	17,403	23,670	23,660	22,818	22,057	20,764	9
10	20,401	19,981	20,007	18,436	13,686E	15,229	17,435E	23,842	23,594	22,809	22,011	20,746	10
11	20,375	19,981	20,033	18,230	13,755	15,281	17,491E	24,016	23,527	22,799	21,956	20,737	11
12	20,357	19,981	20,051	18,025	13,762	15,325	17,571E	24,073	23,460	22,790	21,901	20,701	12
13	20,340	19,981	20,059	17,822	13,845	15,377	17,668E	24,170	23,422	22,781	21,855	20,684	13
14	20,322	19,963	20,068	17,619	13,971	15,414	17,789E	24,277	23,356	22,771	21,800	20,666	14
15	20,304	19,963	20,077	17,411	14,034	15,466	17,935E	24,277	23,318	22,762	21,755	20,630	15
16	20,278	19,955	20,077	17,212	14,076	15,511	18,099E	24,189	23,261	22,762	21,700	20,595	16
17	20,261	19,911	20,077	17,085	14,111	15,555	18,263E	24,218	23,204	22,762	21,645	20,568	17
18	20,243	19,911	20,068	16,794	14,132	15,615	18,445E	24,306	23,195	22,734	21,654	20,533	18
19	20,217	19,911	20,059	16,591	14,154	15,765	18,636E	24,396	23,204	22,734	21,663	20,498	19
20	20,190	19,894	20,059	16,382	14,210	15,848	18,803E	24,122	23,185	22,725	21,645E	20,454	20
21	20,173	19,963	20,059	16,175	14,246	16,008	19,013E	23,958	23,147	22,715	21,618	20,418	21
22	20,164	19,963	20,051	15,985	14,267	16,076	19,216E	23,939	23,119	22,706	21,582	20,374	22
23	20,138	19,963	20,024	15,773	14,281	16,122	19,429E	24,006	23,072	22,687	21,536	20,330	23
24	20,120	19,963	20,024	15,585	14,295	16,229	19,644E	24,073	23,072	22,678	21,491	20,295	24
25	20,103	19,972	20,016	15,377	14,316	16,390	19,877E	24,083	23,062	22,659	21,446	20,251	25
26	20,085	19,972	20,007	15,209E	14,338	16,498	20,042E	24,035	23,044	22,640	21,400	20,216	26
27	20,077	19,972	20,042	15,025E	14,359	16,584	20,181E	24,054E	23,015	22,612	21,337	20,173	27
28	20,085	19,972	20,068	14,843E	14,388	16,622	20,392E	24,073E	22,987	22,594	21,292	20,138	28
29	20,085	19,972	20,051	14,661E		16,685	20,657E	24,083E	22,960	22,575	21,238	20,094	29
30	20,085	19,972	20,051	14,482E		16,770	20,906	24,093E	22,950	22,538	21,193	20,059	30
31	20,085		20,042	14,303E		16,841		24,102E		22,529	21,139		31
CHNG MAX. MIN.	-537 20,596 20,077	-113 20,094 19,894	+70 20,077 19,955	-5,721 20,033 14,303E	+85 14,388 13,617E	+2,453 16,841 14,430	+4,065 20,906 16,919	+3,196 24,306 21,220	-1,152 24,112 22,950	-421 22,940 22,529	-1,390 22,491 21,139	-1,080 21,085 20,059	CHNG MAX. MIN.

## WATER YEAR SUMMARY

E — ESTIMATED  
NR — NO RECORD

CONTENT	MAXIMUM					CONTENT	MINIMUM				
	GAGE HT.	MO.	DAY	TIME			GAGE HT.	MO.	DAY	TIME	
24,306	5003.8	5	18	2400		13,617	4990.9	2	5	2400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC T & R M D S & M	OF RECORD			INFLOW	CONTENT	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
40 10 42	120 36 20	SE 22 27N 12E						JAN 1964—DATE	1964	4900.00 USCGS

Station located at toe of Antelope Dam on Indian Creek, 1.3 miles south of Boulder Creek Guard Station, 12 miles northeast of Genesee.

Antelope Dam was completed in July 1964; however, usable storage began on November 25, 1963. The lake has a usable capacity of 22,239 acre-feet between elevations 4950 feet (lip of intake tower) and 5002 feet (crest of spillway).

Daily content given is shown at 2400 hours.

Drainage area is 68.6 square miles.

TABLE B - 13 (CONT.)  
CONTENTS OF RESERVOIRS  
(IN THOUSANDS OF ACRE FEET)

WATER YEAR													
STATION NO.		STATION NAME											
1975		LAKE OROVILLE NEAR OROVILLE											
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,379.4	2,069.8	1,823.8	1,667.0	1,663.2	2,026.8	2,687.7	3,124.2	3,409.8	3,466.5	3,211.2	2,975.4	1
2	2,363.2	2,073.2	1,812.4	1,659.0	1,667.6	2,042.0	2,701.3	3,125.8	3,423.4	3,461.7	3,203.7	2,965.9	2
3	2,345.6	2,077.1	1,798.0	1,662.0	1,670.9	2,055.7	2,715.9	3,127.7	3,439.9	3,458.2	3,190.3	2,959.0	3
4	2,329.1	2,074.1	1,786.4	1,666.5	1,677.2	2,069.1	2,732.2	3,130.7	3,454.8	3,465.6	3,177.4	2,951.4	4
5	2,327.0	2,066.2	1,772.7	1,669.7	1,681.0	2,081.1	2,749.6	3,129.3	3,466.7	3,464.0	3,164.0	2,945.6	5
6	2,320.9	2,065.1	1,758.2	1,664.9	1,685.2	2,097.1	2,766.7	3,123.3	3,474.9	3,466.2	3,150.6	2,948.9	6
7	2,307.1	2,064.3	1,747.7	1,666.0	1,690.0	2,116.0	2,781.6	3,117.5	3,484.6	3,465.4	3,145.6	2,954.0	7
8	2,289.2	2,061.3	1,738.3	1,671.6	1,704.0	2,152.1	2,795.5	3,113.6	3,485.5	3,460.0	3,136.2	2,945.7	8
9	2,269.7	2,067.5	1,728.2	1,671.9	1,727.5	2,182.1	2,810.5	3,114.0	3,484.0	3,455.0	3,132.6	2,935.5	9
10	2,252.8	2,071.4	1,719.2	1,673.5	1,746.6	2,200.8	2,826.0	3,115.5	3,480.2	3,465.5	3,129.1	2,927.6	10
11	2,236.3	2,068.3	1,712.4	1,679.8	1,759.9	2,219.3	2,841.1	3,126.4	3,475.9	3,434.5	3,120.7	2,921.2	11
12	2,235.1	2,064.4	1,708.7	1,685.3	1,784.8	2,235.9	2,857.1	3,137.7	3,470.4	3,425.2	3,104.9	2,911.4	12
13	2,230.2	2,059.4	1,712.4	1,682.8	1,844.5	2,245.3	2,873.8	3,148.5	3,459.6	3,421.7	3,088.8	2,909.0	13
14	2,213.1	2,046.4	1,719.1	1,676.6	1,874.3	2,261.0	2,885.8	3,157.0	3,459.5	3,412.1	3,084.0	2,900.9	14
15	2,198.5	2,031.8	1,725.1	1,669.0	1,892.5	2,277.4	2,900.3	3,166.0	3,469.0	3,403.8	3,075.9	2,892.0	15
16	2,180.6	2,023.3	1,717.1	1,663.2	1,905.7	2,294.8	2,916.3	3,172.2	3,474.8	3,386.9	3,070.6	2,886.4	16
17	2,161.4	2,022.0	1,706.9	1,663.6	1,915.7	2,299.9	2,933.1	3,178.0	3,479.8	3,377.0	3,071.6	2,880.6	17
18	2,145.8	2,010.2	1,698.2	1,668.2	1,922.6	2,318.2	2,948.3	3,188.4	3,481.2	3,368.3	3,066.3	2,877.5	18
19	2,143.5	1,998.9	1,698.0	1,672.6	1,936.2	2,346.3	2,965.6	3,197.1	3,483.4	3,357.9	3,054.9	2,876.0	19
20	2,144.4	1,989.6	1,697.5	1,669.7	1,949.6	2,378.6	2,988.1	3,211.7	3,485.2	3,350.0	3,038.7	2,877.6	20
21	2,130.1	1,977.3	1,700.2	1,666.7	1,960.6	2,402.8	3,001.1	3,223.8	3,490.4	3,339.4	3,028.4	2,878.0	21
22	2,115.4	1,960.5	1,700.7	1,664.3	1,972.7	2,427.5	3,010.3	3,235.3	3,493.1	3,329.4	3,017.1	2,878.8	22
23	2,100.2	1,945.9	1,696.7	1,667.3	1,980.5	2,447.0	3,025.7	3,244.7	3,494.9	3,322.7	3,005.5	2,878.8	23
24	2,085.5	1,932.7	1,691.9	1,671.1	1,990.2	2,469.6	3,048.6	3,266.8	3,497.9	3,313.2	3,012.1	2,877.5	24
25	2,077.2	1,917.0	1,695.3	1,675.7	1,999.0	2,523.2	3,080.2	3,289.1	3,494.5	3,298.5	3,005.6	2,872.8	25
26	2,079.9	1,902.8	1,690.5	1,676.5	2,005.6	2,561.7	3,102.0	3,304.4	3,487.4	3,286.6	3,005.2	2,870.5	26
27	2,083.6	1,887.8	1,682.9	1,673.7	2,007.7	2,590.5	3,117.4	3,319.3	3,476.5	3,279.1	2,996.4	2,869.3	27
28	2,082.6	1,870.7	1,682.3	1,670.2	2,016.1	2,614.0	3,124.6	3,333.2	3,478.8	3,265.7	2,991.0	2,869.8	28
29	2,077.4	1,855.8	1,686.1	1,667.9	2,032.6	2,635.0	3,129.3	3,347.4	3,485.1	3,249.4	2,990.6	2,865.1	29
30	2,073.4	1,840.1	1,678.4	1,665.8	2,055.0	2,655.0	3,127.1	3,363.7	3,475.9	3,238.1	2,987.3	2,857.5	30
31	2,072.6		1,667.1	1,662.1	2,673.6		3,138.6	3,385.6		3,224.9	2,983.9		31
CHRG	-324.4	-232.5	-173.0	-5.0	+354.0	+657.5	+453.5	+258.5	+90.3	-251.0	-241.0	-126.4	CHRG
MAX	2,379.4	2,077.1	1,823.8	1,685.3	2,016.1	2,673.6	3,129.3	3,385.6	3,497.9	3,466.5	3,211.2	2,975.4	MAX
MIN	2,072.6	1,840.1	1,667.1	1,662.0	1,663.2	2,026.8	2,687.7	3,113.6	3,409.8	3,224.9	2,983.9	2,857.5	MIN

WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

o - DISCHARGE MEASUREMENT OR

OBSERVATION OF NO FLOW

# - E AND o

MEAN DISCHARGE	CONTENT	MAXIMUM				CONTENT	MINIMUM				TOTAL
		GAUGE HT.	MO.	DAY	TIME		GAUGE HT.	MO.	DAY	TIME	ACRE FEET
3,497,909	897.48	6	24	2400		1,662,119	748.34	1	31	2400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R M.O.B.S.M.	OF RECORD			INFLOW	CONTENT		PERIOD	ZERO ON GAGE	REF DATUM
			CF5	GAUGE HT.	DATE				FROM	TO	
39 32 06	121 28 24	SW 1 19N 4E							NOV 1967-DATE	1967	0.47 USGS

Recorder located near intake structure at left end of Oroville Dam, on the Feather River, 4 miles northeast of Oroville. Lake Oroville has a normal gross storage capacity of 3,538,000 acre-feet at the normal maximum water surface elevation of 900 feet. The active operating storage capacity is 2,686,000 acre-feet above the elevation 640 feet (minimum power pool). Drainage area is 3,611 square miles. Storage began November 14, 1967. Daily content given is shown at 2400 hours.

TABLE B - 13 (CONT.)  
CONTENTS OF RESERVOIRS  
(IN THOUSANDS OF ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	81.6	88.0	95.6	100.6	105.3	105.1	106.8	106.1	105.9	102.3	88.2	75.9	1
2	81.7	88.4	96.1	100.6	107.4	105.1	106.6	106.4	105.9	102.1	87.7	75.6	2
3	81.9	88.8	96.5	100.6	107.2	104.8	106.4	106.6	105.9	101.8	87.1	75.3	3
4	82.2	89.2	96.9	100.8	107.4	104.8	106.6	106.6	105.9	101.8	86.7	75.1	4
5	82.4	89.5	97.1	100.8	106.4	105.1	107.4	106.6	105.9	101.6	86.4E	74.8	5
6	82.5	89.9	97.3	102.3	105.7	105.1	107.2	106.6	105.7	101.4	85.8E	74.3	6
7	82.7	90.7	97.4	104.4	105.7	106.1	106.8	106.6	105.7	101.2	85.3E	73.7	7
8	82.9	91.8	97.6	106.1	106.4	107.7	106.8	106.4	105.7	101.0	84.8E	72.9	8
9	83.0	92.6	97.6	105.5	107.7	107.4	106.8	105.4	105.5	100.5	84.3E	72.2	9
10	83.2	92.9	97.8	105.3	107.2	107.0	106.6	106.4	105.5	100.1	83.8E	71.6	10
11	83.3	93.1	97.8	105.1	106.4	106.6	106.4	106.6	105.5	99.5	83.5E	70.9	11
12	83.3	93.3	98.0	104.8	109.2	106.4	106.4	106.6	105.5	99.1	83.0E	70.3	12
13	83.5	93.5	98.0	104.8	109.8	106.4	106.4	106.6	105.5	98.8	82.5E	69.7	13
14	83.7	93.5	98.2	104.6	107.4	106.4	106.1	106.6	105.3	98.0	82.1E	69.1	14
15	83.7	93.7	98.2	104.6	106.4	106.1	106.4	106.6	105.1	97.4	81.6E	68.5	15
16	83.8	93.7	98.2	104.6	105.7	106.8	106.1	106.4	104.8	97.1	81.3E	68.2	16
17	84.0	93.7	98.2	104.4	105.5	106.4	106.1	106.4	104.6	96.5	80.8E	68.0	17
18	84.0	93.9	98.4	104.4	105.3	106.1	105.9	106.4	104.4	96.1	80.3E	67.5	18
19	84.2	93.9	98.4	104.4	105.7	106.6	105.9	106.1	104.4	95.6	80.1E	67.1	19
20	84.3	93.9	98.4	104.4	105.9	106.8	105.9	106.1	104.4	95.0	80.0E	67.0	20
21	84.3	94.2	98.4	104.4	105.5	108.3	105.9	106.1	104.4	94.4	79.8	66.7	21
22	84.5	94.4	98.4	104.4	105.3	108.3	105.7	106.1	104.2	93.7	79.5	66.4	22
23	84.6	94.6	98.6	104.4	105.3	107.7	105.9	106.1	104.0	93.1	79.3	66.3	23
24	84.6	94.8	98.6	104.4	105.3	108.5	106.4	106.1	103.8	92.6	79.0	66.1	24
25	84.8	95.0	98.6	104.4	105.1	112.2	107.0	105.9	103.6	92.0	78.7	66.0	25
26	84.8	95.4	98.6	104.4	105.1	109.6	107.0	106.1	103.5	91.2	78.2	65.9	26
27	84.8	95.4	98.8	104.4	105.1	108.3	106.8	106.1	103.5	90.7	77.7	65.7	27
28	84.8	95.6	99.9	104.4	105.1	107.7	106.6	106.1	103.3	89.9	77.2	65.6	28
29	85.4	95.6	100.3	104.4	107.4	105.9	105.9	106.1	103.1	89.4	77.1	65.3	29
30	87.1	95.6	100.5	104.4	107.0	107.0	105.7	105.9	102.7	89.2	76.7	65.2	30
31	87.7		100.5	104.6	107.0	107.0		105.9		88.6	76.4		31
CHNG	+6.3	+7.9	+4.9	+4.1	+0.5	+1.9	-1.3	+0.2	-3.2	-14.1	-12.2	-11.2	CHNG
MAX	87.7	95.6	100.5	106.1	109.8	112.2	107.4	106.6	105.9	102.3	88.2	75.9	MAX
MIN	81.6	88.0	95.6	100.6	105.1	104.8	105.7	105.9	102.7	88.6	76.4	65.2	MIN.

WATER YEAR SUMMARY

E — ESTIMATED  
NR — NO RECORD

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
113.3	304.10	3	25	1445	65.2	276.91	9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC. T & R M.O.B. & M.	OF RECORD			INFLOW	CONTENT	PERIOD		REF DATUM
			CFS	GAGE HT	DATE			FROM	TO	
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00 USCS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.

TABLE B-14

DAILY INFLOW

This table presents the daily inflow rates to Folsom, Shasta, and Whiskeytown Lakes. The daily inflow rates were computed from information about changes in storage, releases, spills, precipitation, and evaporation. The computed values represent the flow at each damsite as if the dam did not exist.

TABLE B - 14 (CONT.)

## DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A21051	INFLOW TO SHASTA LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,450	4,600	4,140	5,330	5,700	9,700	14,690	13,880	11,810	4,820	5,440	2,830	1
2	5,230	4,700	6,800	5,390	6,490	19,820	14,290	13,470	10,460	4,850	2,770	5,200	2
3	4,860	4,630	18,470	5,710	9,860	17,710	14,340	14,690	11,190	5,920	3,240	6,180	3
4	3,940	5,230	12,810	3,540	10,000	15,080	14,060	14,260	10,620	4,240	4,740	5,310	4
5	4,320	4,660	9,700	4,150	8,210	13,680	13,300	13,740	9,060	3,990	4,540	5,990	5
6	3,950	4,330	8,330	5,100	10,610	14,310	12,360	13,250	9,900	4,940	5,050	6,110	6
7	5,580	6,500	8,810	9,240	14,620	22,930	12,790	13,320	9,910	6,500	5,590	6,100	7
8	4,490	6,290	4,810	10,210	17,270	35,970	12,570	13,040	8,310	6,580	5,600	4,650	8
9	4,010	5,430	4,720	7,200	30,100	29,160	11,650	13,000	9,080	5,990	3,640	3,900	9
10	4,180	4,960	5,970	6,090	23,040	23,550	11,850	13,360	8,520	6,350	2,670	2,230	10
11	3,490	5,800	2,060	4,110	16,240	19,040	11,440	13,310	8,700	4,020	3,380	3,780	11
12	4,470	4,620	1,040	4,300	41,660	16,310	11,730	13,110	10,230	590	4,080	4,200	12
13	5,220	5,430	3,960	5,440	48,640	17,110	12,390	13,640	9,800	740	5,040	5,880	13
14	3,950	5,360	3,420	6,230	28,370	14,860	13,390	14,270	9,890	5,050	5,110	4,340	14
15	4,810	4,530	3,400	6,130	19,810	15,880	12,670	14,550	9,540	6,280	5,220	5,390	15
16	3,530	4,450	4,940	5,320	16,690	14,300	11,980	14,870	5,970	5,650	2,060	3,490	16
17	3,860	4,790	5,850	5,540	13,990	18,980	11,920	14,000	5,190	5,380	2,280	4,170	17
18	5,630	4,540	5,200	4,350	12,240	33,750	12,110	14,460	5,450	5,780	4,360	4,320	18
19	5,130	5,270	5,440	4,850	13,470	55,250	12,570	14,390	5,370	2,580	5,690	5,330	19
20	1,370	3,490	5,760	4,170	10,540	30,770	12,180	13,080	5,700	3,230	4,740	5,980	20
21	2,880	7,040	3,560	6,030	9,210	27,280	12,390	12,760	5,270	5,060	4,540	5,800	21
22	5,080	6,060	3,440	5,120	9,370	22,040	12,650	12,230	5,240	5,360	4,570	3,620	22
23	4,700	4,850	4,630	5,480	8,440	20,210	13,370	11,860	5,350	6,280	2,500	3,510	23
24	3,330	5,640	5,310	5,530	7,750	23,370	21,180	11,250	5,350	4,670	2,210	3,960	24
25	3,990	4,730	5,230	4,160	7,550	39,410	21,140	10,790	5,510	4,980	4,550	4,060	25
26	3,600	4,930	5,770	4,450	8,340	26,630	18,470	10,960	5,460	3,970	4,480	4,040	26
27	6,200	4,620	9,350	4,820	9,200	21,670	17,100	10,750	5,700	920	5,210	240	27
28	5,590	5,550	4,520	5,900	11,320	18,430	15,430	9,810	6,840	4,780	6,240	2,960	28
29	3,700	4,650	3,710	5,450		17,380	15,120	11,120	9,190	4,650	3,970	4,610	29
30	4,100	3,300	4,680	5,600		16,620	14,450	11,260	5,340	4,700	2,470	3,830	30
31	6,290		4,980	8,380		15,160		11,520		5,750	3,250		31
MEAN	4,385	5,033	5,833	5,591	15,312	22,786	13,853	12,903	7,798	4,665	4,169	4,334	MEAN
MAX.	6,290	7,040	18,470	10,210	48,640	55,250	21,180	14,870	11,810	6,580	6,240	6,180	MAX.
MIN.	1,370	3,300	1,040	3,540	5,700	9,700	11,440	9,810	5,190	590	2,060	240	MIN.
AC. FT.	270,130	299,470	358,640	343,780	849,690	1,401,070	824,300	793,400	464,040	286,810	256,330	257,870	AC. FT.

A - 25 hour day

B - 23 hour day

E - ESTIMATED

NE - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW

# - E AND \*

## WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
8,848											6,405,530

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1.4 SEC. T & R M.D.B. & M.	OF RECORD			INFLOW	CONTENT		PERIOD		REF DATUM
			CF5	GAGE HT.	DATE				FROM	TO	
40 43 10	122 25 10	NW 15 33N 5W				NOV 1942-DATE	NOV 1942-DATE		1942		0.00 USCS

The figures contained herein are computed inflow to Shasta Lake and take into account change in storage, release, spill, precipitation and evaporation. They are representative of the natural flow which would pass the damsite (9.5 miles north of Redding) if the dam had not been constructed. Records furnished by USBR. Drainage area, excluding Goose Lake Basin, is 6,665 square miles.

Shasta Lake has a usable capacity of 4,377,000 acre-feet between elevations 737.75 and 1065.0 feet above mean sea level. Not available for release, 115,700 acre-feet.



TABLE B - 14 (CONT.)

## DAILY INFLOW

(IN CUBIC FEET PER SECOND)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,840	360	340	390	720	1,160	4,310	1,720	2,780	2,900	1,270	2,810	1
2	1,780	380	810	360	570	1,960	4,180	1,690	2,870	2,820	2,930	2,760	2
3	1,740	290	2,550	440	800	1,650	4,230	1,730	3,400	2,860	1,170	2,840	3
4	1,770	300	1,290	360	770	1,330	4,150	1,660	3,870	2,920	1,310	2,880	4
5	1,840	350	660	460	720	1,370	4,140	1,750	3,880	2,880	950	2,880	5
6	1,820	370	610	570	870	1,310	4,010	1,730	3,870	2,870	1,230	2,750	6
7	1,520	410	510	700	1,320	3,950	3,950	1,680	3,960	2,780	1,470	2,800	7
8	1,320	390	540	1,020	1,800	8,490	3,910	1,710	4,020	2,940	1,040	2,790	8
9	1,850	350	430	810	3,190	4,300	3,870	1,710	4,010	2,810	1,060	2,790	9
10	1,380	340	460	630	2,180	2,930	3,760	1,660	4,010	2,870	1,040	2,820	10
11	1,240	480	450	640	1,330	2,140	3,810	1,420	3,960	2,860	2,950	2,740	11
12	1,610	400	430	550	3,340	1,730	3,830	1,380	3,750	2,790	2,390	2,760	12
13	1,720	340	470	760	3,400	1,550	3,870	1,240	3,270	2,900	3,120	2,750	13
14	1,730	420	490	720	1,990	1,580	3,900	2,820	2,570	2,840	3,220	2,750	14
15	1,680	430	490	750	1,340	2,060	3,850	2,570	3,300	2,910	3,080	1,680	15
16	1,880	440	390	550	1,000	2,200	3,760	2,360	3,790	2,830	2,760	1,670	16
17	1,750	420	540	500	790	2,540	3,750	1,390	3,740	2,880	2,870	1,590	17
18	1,660	500	720	540	1,100	3,790	3,710	1,400	3,650	2,830	2,740	1,640	18
19	3,640	480	500	610	1,100	3,700	3,740	1,320	3,060	2,880	2,850	1,570	19
20	3,680	480	600	560	970	2,540	3,710	410	2,740	2,820	2,750	1,630	20
21	3,690	820	460	520	910	2,550	3,720	420	2,910	1,250	2,830	1,620	21
22	3,370	490	520	640	900	1,880	3,710	380	3,510	1,350	2,890	1,560	22
23	3,400	420	490	530	900	B 1,720	3,860	430	2,800	1,480	2,790	1,270	23
24	3,430	370	380	500	930	2,080	4,340	1,490	2,890	970	2,750	1,580	24
25	3,370	430	470	500	890	3,640	4,240	2,100	3,080	1,980	2,790	1,530	25
26	3,430	360	400	550	930	2,900	3,980	2,070	2,830	2,770	2,830	1,620	26
27	3,610 A	400	790	500	840	2,070	3,970	2,390	2,870	1,250	2,790	1,580	27
28	3,610	370	770	480	910	2,490	3,870	2,250	2,820	1,280	2,770	1,580	28
29	3,490	340	460	460		2,500	1,820	2,400	2,950	1,270	2,780	1,650	29
30	3,570	340	470	460		2,530	1,520	2,820	2,830	1,210	2,780	1,500	30
31	3,590		390	710		3,570	2,710		2,710	1,250	2,790		31
MEAN	2,452	409	609	573	1,308	2,652	3,782	1,704	3,333	2,363	2,355	2,146	MEAN
MAX.	3,690	820	2,550	1,020	3,400	8,490	4,340	2,820	4,020	2,940	3,220	2,880	MAX.
MIN.	1,240	290	340	360	570	1,160	1,520	380	2,570	970	950	1,270	MIN.
AC. FT.	151,060	24,330	37,450	35,250	72,540	163,080	225,070	104,750	198,330	145,290	144,780	127,720	AC. FT.

A - 25 hour day

B - 23 hour day

## WATER YEAR SUMMARY

B - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR

OBSERVATION OF NO FLOW

# - E AND \*

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET	
1,974												1,429,650	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	14 SEC. T. & R. M D B & M	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
40 03 03	122 31 31	32N 6W				MAY 1963-DATE	MAY 1963-DATE	1963		0.00	USCGS

The figures contained herein are computed inflow to Whiskeytown Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. Records furnished by USBR. Drainage area is 200 square miles.

Whiskeytown Reservoir has a usable capacity of 241,100 acre-feet between elevations 1100.0 feet and 1210.0 feet above mean sea level. Not available for release, 27,500 acre-feet.

TABLE B - 14 (CONT.)

## DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A71120	INFLOW TO FOLSOM LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,890	2,320	1,290	1,510	2,660	3,300	6,270	6,810	9,250	2,620	2,240	2,250	1
2	1,630	1,760	2,320	1,430	4,890	3,000	5,970	7,090	8,700	3,140	2,020	2,230	2
3	2,220	900	2,560	1,840	3,330	3,270	5,920	7,570	8,680	3,230	1,750	2,030	3
4	2,350	1,730	3,120	2,100	5,160	3,730	6,030	8,190	8,390	2,830	1,460	2,390	4
5	1,900	2,040	2,570	1,400	3,660	4,060	6,070	7,090	8,620	2,140	1,860	3,080	5
6	1,230	2,110	2,350	2,800	3,670	4,830	5,110	6,270	8,710	2,410	1,760	2,500	6
7	1,280	1,890	2,090	4,930	3,660	5,220	5,160	5,980	8,580	2,160	1,780	2,160	7
8	2,170	1,900	1,530	6,840	3,450	7,780	5,630	6,280	7,920	3,000	2,040	2,250	8
9	1,790	1,890	1,630	4,840	8,370	6,240	5,580	6,880	7,770	2,720	1,900	2,300	9
10	2,040	1,180	1,590	2,900	10,090	5,310	5,410	7,580	6,910	2,410	1,610	2,400	10
11	1,970	1,740	1,580	2,050	6,230	5,040	5,270	8,130	6,630	2,360	1,260	2,230	11
12	1,660	2,240	1,810	1,920	4,690	4,930	5,320	8,380	6,470	2,280	1,970	2,260	12
13	1,090	2,480	1,710	1,770	11,520	5,270	4,720	9,360	6,190	2,040	1,840	2,180	13
14	1,650	2,260	1,860	2,470	8,770	4,740	5,940	10,130	6,380	2,040	1,880	2,270	14
15	1,940	2,410	1,320	3,100	5,930	4,620	5,630	10,360	6,420	2,640	1,770	2,020	15
16	1,730	1,640	1,500	2,770	3,820	5,920	5,390	8,740	6,310	2,230	1,920	2,200	16
17	2,010	1,380	1,950	2,960	3,170	4,920	5,330	9,150	6,230	2,130	1,720	2,290	17
18	2,040	1,980	1,990	2,310	3,000	5,290	5,100	9,910	5,970	2,570	1,490	1,990	18
19	1,610	2,240	1,990	1,820	3,610	4,400	4,900	10,240	5,430	2,290	1,970	1,870	19
20	1,400	2,160	1,970	1,730	5,880	5,320	4,210	9,470	4,990	1,250	2,160	2,010	20
21	1,360	2,600	2,010	2,480	5,300	6,240	4,790	7,990	4,240	1,750	2,570	2,200	21
22	1,950	3,040	1,610	2,180	4,210	9,180	5,350	7,310	3,180	2,630	2,600	2,020	22
23	2,130	2,410	1,290	2,730	3,430	6,470	5,680	7,560	2,530	2,130	1,920	2,160	23
24	2,040	1,610	1,920	2,340	3,580	6,610	5,780	8,120	3,680	1,950	2,420	2,230	24
25	2,140	2,080	1,200	2,300	3,550	29,890	9,750	8,610	3,280	2,710	2,240	2,420	25
26	1,620	2,720	1,240	1,840	3,350	17,440	7,220	8,310	3,230	1,960	1,960	2,400	26
27	2,070	2,590	2,030	1,800	3,440	11,330	5,920	8,480	2,930	1,640	1,960	2,370	27
28	1,590	1,800	3,060	2,930	3,780	8,940	5,940	8,650	2,890	1,350	1,940	2,100	28
29	1,820	1,720	1,600	2,950	7,460	6,140	8,750	2,270	1,810	1,910	1,910	2,110	29
30	1,940	1,700	1,690	2,000	5,860	6,270	8,790	2,830	1,570	2,350	2,350	2,320	30
31	2,410		1,990	2,820		6,410	8,790		1,840	2,090			31
MEAN	1,828	2,017	1,883	2,576	4,864	6,872	5,727	8,225	5,854	2,253	1,947	2,241	MEAN
MAX.	2,410	3,040	3,120	6,840	11,520	29,890	9,750	10,360	9,250	3,230	2,600	3,080	MAX.
MIN.	1,090	900	1,200	1,430	2,660	3,000	4,210	5,980	2,270	1,250	1,260	1,870	MIN.
AC. FT.	112,580	120,040	115,780	158,400	269,870	422,530	340,770	505,730	348,320	138,510	119,760	133,370	AC. FT.

A - 25 hour day

B - 23 hour day

## WATER YEAR SUMMARY

E - ESTIMATED

NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR  
OBSERVATION OF NO FLOW

# - E AND \*

MEAN INFLOW	DISCHARGE	MAXIMUM	MINIMUM	TOTAL
3,848	GAGE HT.	GAGE HT.	GAGE HT.	ACRE FEET
	MO. DAY TIME	MO. DAY TIME	MO. DAY TIME	
				2,785,660

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1 4 SEC. T. & R M.D. S. & M.	OF RECORD			INFLOW	CONTENT	PERIOD		REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO	
38 42 29	121 09 22	NE 24 10N 7E				FEB 1955-DATE	FEB 1955-DATE	1955		0.00 USGS

The figures contained herein are computed inflow to Folsom Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (2.3 miles northeast of Folsom) if the dam had not been constructed. Records furnished by USBR. Drainage area is 1,861 square miles.

TABLE B-15  
GAGING STATION  
ADDITIONS AND DISCONTINUATIONS

ADDITIONAL STATIONS

A15145	Burney Creek near Burney	10-1-74
A02380	Sacramento River at Meridian	12-20-74

DISCONTINUED STATIONS

A15150	Burney Creek near Burney	9-30-74
A81200	Cache Creek above Rumsey	7-3-75
A54750	Last Chance Creek at Dixie Refuge Damsite	9-30-75
A54455	Red Clover Creek above Abbey Bridge Damsite	9-30-75

PUBLICATIONS DISCONTINUED

B02920	Duck Creek Diversion near Farmington	9-30-74
B02870	Littlejohn Creek at Farmington	9-30-74

PUBLISHED DATA FROM PRIOR YEARS

A02570	Sacramento River at Ord Ferry	1973-74
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TABLE B-16

CORRECTIONS AND REVISIONS TO PREVIOUSLY  
PUBLISHED REPORTS OF SURFACE WATER DATA

Corrections and revisions pertain to bulletins of surface water flows published from 1924 to date. These publications are:

Report 1. "Report of Sacramento-San Joaquin Water Supervision".  
Published from 1924 through 1955.

Report 2. Bulletin No. 23,  
"Surface Water Flow". Published  
from 1956 through 1962.

Report 3. "Flood Flows and Stages  
in Sacramento and Northern San  
Joaquin Valleys". Published from  
1913 through 1956.

Report 4. Bulletin No. 130,  
"Hydrologic Data: Volume II,  
Northeastern California".  
Published from 1963 to date.

Corrections and revisions to surface water made prior to publication of Bulletin No. 130-68, "Hydrologic Data: Northeastern California", are in Bulletin No. 130-67. This report contains corrections made since publication of Bulletin No. 130-67.

TABLE B-16

## CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision					Change or Revision																									
Report	Page	Mile & Bank	Name	Item	From	To																								
4	286		Mokelumne River near Thornton	<u>1965</u> Datum of Gage	1964, -3.00 USCGS	1964, 0.00 USCGS																								
4	151		Sacramento River, Sacramento to Redding	<u>1966</u> Total Diversions October November December January February March April May June July August September TOTAL  Average cubic feet per second October November December January February March April May June July August September TOTAL  Monthly use in per- cent of seasonal October November December January February March April May June July August September	28,490 4,263 2,860 1,585 1,468 2,870 149,695 211,918 207,730 191,624 172,832 66,143 104,148  463 72 46 26 27 47 2,516 3,446 3,401 3,116 2,811 1,112 1,439  2.7 0.4 0.3 0.2 0.1 0.3 16.4 20.3 19.9 18.4 16.6 6.4	66,118 17,939 6,887 1,772 1,592 7,856 302,010 378,193 353,650 350,907 313,752 119,869 1,920,545  1,075 301 112 29 29 128 5,076 6,151 5,943 5,707 5,103 2,015 2,653  3.4 0.9 0.4 0.1 0.1 0.4 15.7 19.7 18.4 18.3 16.4 6.2																								
4	245, 246		Sacramento River at Collinsville	Datum of Gage	<table><tr><th colspan="2">Period</th><th>Zero on Gage</th><th>Ref. Datum</th></tr><tr><th>From</th><th>To</th><th></th><th></th></tr><tr><td>1929</td><td></td><td>0.00</td><td>USED</td></tr><tr><td></td><td></td><td>-3.05</td><td>USCGS</td></tr><tr><td>1964</td><td></td><td>-3.54</td><td>USCGS</td></tr><tr><td>1964</td><td></td><td>-3.00</td><td>USCGS</td></tr></table>		Period		Zero on Gage	Ref. Datum	From	To			1929		0.00	USED			-3.05	USCGS	1964		-3.54	USCGS	1964		-3.00	USCGS
Period		Zero on Gage	Ref. Datum																											
From	To																													
1929		0.00	USED																											
		-3.05	USCGS																											
1964		-3.54	USCGS																											
1964		-3.00	USCGS																											
4	158		Ceche Creek above Rumsey	<u>1967</u> Maximum Discharge of Record Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967																								
4	162		Putah Creek above Davis	Monthly Mean Discharge	March 41,047 cfs	1,324 cfs																								
4	171		Duck Creek near Stockton	Discharge Data	Table Revised - Published	Page 155 - 1968 Report																								
4	177		Bear Creek near Lodi	Maximum Discharge of Record Gage Height Date	670 cfs 3.35 1-30-1966	4,550 cfs 8.33 1-22-1967																								
4	264		Mokelumne River near Thornton	Datum of Gage	1964, -3.00 USCGS	1964, 0.00, USCGS																								
4	296		Sacramento River at Collinsville	Datum of Gage	<table><tr><th colspan="2">Period</th><th>Zero on Gage</th><th>Ref. Datum</th></tr><tr><th>From</th><th>To</th><th></th><th></th></tr><tr><td>1929</td><td></td><td>0.00</td><td>USED</td></tr><tr><td></td><td></td><td>-3.05</td><td>USCGS</td></tr><tr><td>1964</td><td></td><td>-3.54</td><td>USCGS</td></tr><tr><td>1964</td><td></td><td>-3.00</td><td>USCGS</td></tr></table>		Period		Zero on Gage	Ref. Datum	From	To			1929		0.00	USED			-3.05	USCGS	1964		-3.54	USCGS	1964		-3.00	USCGS
Period		Zero on Gage	Ref. Datum																											
From	To																													
1929		0.00	USED																											
		-3.05	USCGS																											
1964		-3.54	USCGS																											
1964		-3.00	USCGS																											
4	296		Sacramento River at Collinsville	Osily Maximum and Minimum Tides	Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.																									

## CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision					Change or Revision	
Report	Page	Mile & Bank	Name	Item	From	To
4	312		Suisun Bay at Benicia	<u>1967</u> (Cont.) Daily Maximum and Minimum Tides		Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.
4	54		Clover Creek Bypass near Upper Lake	<u>1968</u> Number Change	A89140	A81940
4	55, 61, 68		Grindstone Creek near Elk Creek	Number Change	A31300	A31302
4	94		Grindstone Creek near Elk Creek	Number Change	A31395	A31302
4	55, 63, 73		Kellogg Creek near Byron	Number Change	895295	889200
4	70		Fremont Weir Spill to Yolo Bypass	Map Plotting		To be located approximately midway between A02160 and A02170.
4	79		Willow Creek near Litchfield	Date of Discontinuance	9-30-68	9-30-67
4	87		Red Bank Creek near Red Bluff	Station Location	Station located at Red Bank Road Bridge, 11 miles southwest of Red Bluff.	Station located at Briggs Road Bridge, 11 miles southwest of Red Bluff.
4	142		Cache Creek above Rumsey	Maximum Discharge of Record Discharge Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967
4	155, 156		Duck Creek near Stockton	Maximum Discharge of Record Discharge Gage Height Date	400 cfs 5.75 12-24-1955	635 cfs 5.96 1-30-1967
4	161		Bear Creek near Lodi	Maximum Discharge of Record Discharge Gage Height Date	670 cfs 3.35 1-30-1966	4,550 cfs 8.33 1-22-1967
4	198	11.0R	Hallwood Irrigation Company	Diversions December January April May June July August September TOTAL	13,503 2,530 17,650 32,730 29,734 29,880 28,060 15,160 169,334	4,863 1,140 10,950 19,600 17,210 17,540 16,120 9,880 97,390
4	239		Sutter Bypass at Long Bridge	Station Location	Station located on west levee, 0.2 mile north of State Highway 20, 3.9 miles east of Meridian.	Station located on west levee, 0.2 mile south of State Highway 20, 3.9 miles east of Meridian.
4	247		Feather River near Gridley	Daily Mean Gage Height		Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
4	256		Sacramento River at Sacramento	Daily Mean Gage Height February 28 February 29	20.74 20.74	20.90 20.92
4	128		Cache Creek above Rumsey	<u>1969</u> Maximum Discharge of Record Discharge Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967
4	136		French Camp Slough near French Camp	Total Acre-Feet Total Acre-Feet Mean Discharge May Year	28,820 191,200 232 cfs	2,882 165,200 228 cfs
4	138		Duck Creek near Stockton	Maximum Discharge of Record Discharge Gage Height Date	477 cfs 5.49 1-25-1969	635 cfs 5.96 1-30-1967
4	142		Bear Creek near Lodi	Maximum Discharge of Record Discharge Gage Height Date	1,870 cfs 5.32 1-13-1969	4,550 cfs 8.33 1-22-1967

TABLE B-16 (Cont.)

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision				Change or Revision			
Report	Page	Mile & Bank	Name	Item	From	To	
<u>1969 (Cont.)</u>							
4	154		Bidwell Creek near Fort Bidwell	Daily Mean Discharge	May 10, 1969 May 11, 1969 May 12, 1969 May 13, 1969 May 14, 1969	163 188 247 208 175	145 160 184 172 157
				MONTHLY TOTAL WATER YEAR TOTAL	7,246 Acre-Feet 18,360 Acre-Feet	6,922 Acre-Feet 18,040 Acre-Feet	
4	225		Feather River near Gridley	Daily Mean Gage Height		Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.	
<u>1970</u>							
4	54		Little Chico Creek Diversion near Chico	Daily Mean Discharge	Dec. 19, 1969 Jan. 9, 1970 Jan. 13, 1970 Jan. 14, 1970 Jan. 16, 1970 Jan. 21, 1970 Jan. 23, 1970 Jan. 24, 1970 Jan. 27, 1970	Data insufficient to compute discharge. 4.0 cfs 0.5 4.9 543 10 43 131 104 1.6	
				WATER YEAR TOTAL		1,670 Acre-Feet	
4	61		Summary of Monthly Water Supply and Utilization - Sacramento San Joaquin Delta in Thousands of Acre-Feet	Total Water Supply	October November December January February March April May June	1,368 1,309 2,854 11,616 6,262 3,575 1,016 1,056 880	1,424 1,354 3,069 11,968 6,326 3,656 1,027 1,060 891
				TOTAL	33,063	33,902	
4	67		Burney Creek near Burney	Daily Mean Discharge	June 18, 1970 June 19, 1970 June 20, 1970 June 21, 1970 June 22, 1970 June 23, 1970 June 24, 1970 June 25, 1970 June 26, 1970 June 27, 1970 June 28, 1970 June 29, 1970 June 30, 1970	25 23 21 28 28 25 20 29 32 35 45 7.0 3.7	24 21 17 23 21 17 11 17 19 20 36 37 23
				MONTHLY TOTAL	1,388 Acre-Feet	1,317 Acre-Feet	
				WATER YEAR TOTAL	93,107 Acre-Feet	93,438 Acre-Feet	
4	130		Duck Creek near Stockton	Maximum Discharge of Record	Discharge Gage Height Date	477 cfs 5.49 1/25/1969	635 cfs 5.96 1/30/1967
4	134		Bear Creek near Lodi	Maximum Discharge of Record	Discharge Gage Height Date	3,300 cfs 7.11 1/14/1970	4,550 cfs 8.33 1/22/1967
4	137		Dry Creek near Iose	Monthly Total December	Mean Maximum Minimum Acre-Feet		39.2 219 3.9 2,408



## CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision				Change or Revision				
Report	Page	Mile & Bank	Name	Item	From	To		
4	148		Bidwell Creek near Fort Bidwell	<u>1970 (Cont.)</u>				
				Yearly Mean	cfs	46.1	45.5	
				Yearly Total	Acre-Feet	30,531	32,940	
				Daily Mean	Jan. 22, 1970	196	136	
				Discharge	Jan. 23, 1970	172	124	
4	208		Feather River near Gridley		Jan. 24, 1970	168	124	
				MONTHLY TOTAL		2,050 Acre-Feet	1,749 Acre-Feet	
				WATER YEAR TOTAL		16,521 Acre-Feet	16,220 Acre-Feet	
				Daily Mesa Gage Height			Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.	
				<u>1971</u>				
4	35		Summary of Monthly Water Supply and Utilization- Sacramento San Joaquin Delta in Thousands of Acre-Feet	Total Water Supply	TOTAL	33,063	29,692	
4	53		Moulton Weir Spill to Butte Basin	Daily Mean	Dec. 17, 1970	1,640	0	
				Discharge	Dec. 18, 1970	6,590	0	
					Dec. 19, 1970	1,050	0	
					Dec. 20, 1970	19	0	
				Monthly Mean Discharge			636	336
				Monthly Maximum Discharge			6,590	4,920
				Monthly Acre-Feet Discharge			39,120	20,670
				Daily Mean	Jan. 17, 1971	0	1,640	
				Discharge	Jan. 18, 1971	0	6,590	
					Jan. 19, 1971	0	1,050	
					Jan. 20, 1971	0	19	
				Monthly Mean Discharge			0	300
				Monthly Maximum Discharge			0	6,590
				Monthly Acre-Feet Discharge			0	18,440
				WATER YEAR SUMMARY				
4	55		Little Chico Creek Diversion near Chico	Maximum		7,725 on 12-5 at 1930	8,499 on 1-18 at 0800	
				Daily Mean	Dec. 3, 1970	Data insufficient to compute discharge.	0.1 cfs	
				Discharge	Dec. 4, 1970		66	
					Mar. 26, 1971		3.0	
				WATER YEAR TOTAL			137 Acre-Feet	
4	137		Sacramento River at Moulton Weir	Daily Mean Gage	Dec. 17, 1970	78.15 A	(Blank)	
				Height	Dec. 18, 1970	79.32	"	
					Dec. 19, 1970	77.54	"	
					Dec. 20, 1970	76.89 A	"	
					Jan. 17, 1971	(Blank)	78.15 A	
					Jan. 18, 1971	"	79.32	
					Jan. 19, 1971	"	77.54	
					Jan. 20, 1971	"	76.89 A	
				<u>1972</u>				
				4	59		Little Chico Creek Diversion near Chico	Daily Mean Discharge
4	128	13-1R	Garden Highway Mutual Water Co.	Diversions	August	2,770	3,045	
				TOTAL		15,025	15,300	
				<u>1974</u>				
4	129	13-1R	Garden Highway Mutual Water Co.	Diversions	April	137	178	
					June	3,484	3,230	
					July	3,278	3,024	
					August	2,972	2,947	
					September	792	673	
				TOTAL		13,654	13,023	

## Appendix C

### GROUND WATER MEASUREMENTS

This appendix contains summary and selected information concerning the level of ground water in wells within 32 ground water basins or areas in Northeastern California. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed and, when conditions dictate, replacement wells are located and measured.

Earlier editions of this report contained a tabulation of individual measurements of ground water levels at wells. This type of data collected by the Department will be available at the various district offices of the Department. Please see the introduction at the front of this volume for the addresses of these district offices.

Table C-1 shows the average change in ground water levels for the various basins in Northeastern California from spring 1974 to spring 1975. This table also shows the number of well measurements collected in the various areas. Figure C-2 contains graphical presentations of the average levels of ground water in the spring for the past several years. Figure C-3 is a graphical representation of the fluctuation of ground water level in certain selected wells for the past several years. An attempt has been made to select wells that represent conditions in the basin where the well is located. However, some caution in the use of these data is in order because ground water conditions can vary markedly with relatively small changes in horizontal location.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System. The regions used in Bulletin No. 130 are geographic areas defined in Section 13200 of the Water Code. This volume comprises the northern portions of Central Valley Region No. 5 and Lahontan Region No. 6. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:

	5	-	21	.	05
Region (Central Valley)					
Ground Water Basin (Sacramento Valley)					
Subbasin or Subarea (Sutter County)					

The State Well Numbering System is based on township, range, and section subdivisions of the public land survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below on the left.

	39N	/	13E	-	08	J	04	M
Township								
Range								
Section								
Tract								
Sequence Number								
Base and Meridian								

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

This number identifies and locates the well. In the example, the well is in Township 39 North, Range 13 East, Tract J of Section 8, referenced to the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as shown above on the right. Sequence numbers in a tract are generally assigned in chronological order. The example designates the fourth well to be assigned a number in Tract J.

INDEX TO GROUND WATER MEASUREMENT DATA  
IN NORTHEASTERN CALIFORNIA

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5-02.00	Alturas Basin . . . . .	242
5-04.00	Big Valley . . . . .	242
5-36.00	Round Valley	
5-05.00	Fall River Valley . . . . .	242
5-06.00	Redding Basin . . . . .	242, 247
5-11.00	Mohawk Valley . . . . .	242
5-12.00	Sierra Valley . . . . .	242
5-13.00	Upper Lake Valley . . . . .	242
5-14.00	Scotts Valley . . . . .	242
5-15.00	Kelseyville Valley . . . . .	242
5-31.00	Long Valley	
5-16.00	High Valley. . . . .	242
5-17.00	Burns Valley	
5-30.00	Lower Lake Area . . . . .	242
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5-21.01	Tehama County . . . . .	242, 244, 247
5-21.02	Glenn County . . . . .	242, 244, 247
5-21.03	Butte County . . . . .	242, 244, 248
5-21.04	Colusa County . . . . .	242, 244, 248
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5-21.06	Yuba County . . . . .	242, 245, 249
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5-21.08	Sacramento County . . . . .	243, 245, 250
5-21.09	Yolo County . . . . .	243, 245, 250
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5-21.11	Solano County . . . . .	243, 245, 250
5-22.00	San Joaquin Valley	
5-22.01	Mokelumne River Area . . . . .	243, 246, 251
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5-22.52	Delta Area . . . . .	243
	LAHONTAN REGION 6-00.00	
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6-02.00	Madeline Plains	
6-04.00	Honey Lake Valley . . . . .	243
6-05.00	Tahoe Valley	
6-05.01	South Tahoe Valley . . . . .	243

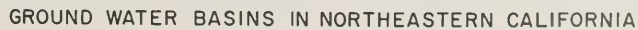


TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS  
AND SUMMARY OF WELL MEASUREMENTS REPORTED

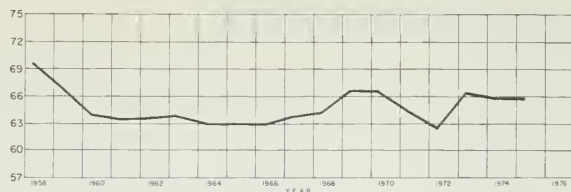
Ground Water Basin or Area		Average Change Spring 1974 to Spring 1975 in Feet	Measuring Agency	Number of Well Measurements Reported		
Name	Number			Monthly 1974-75	Fall 1974	Spring 1975
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00					
Alturas Basin	5-02.00	-0.6	Department of Water Resources		9	9
Big Valley	5-04.00	-0.3	Department of Water Resources		4	4
Round Valley	5-36.00					
Fall River Valley	5-05.00	-0.6	Department of Water Resources		4	4
Redding Basin	5-06.00	+0.2	Department of Water Resources	1	9	9
Mohawk Valley	5-11.00	+1.5	Department of Water Resources		1	2
Sierra Valley	5-12.00	-0.3	Department of Water Resources		20	20
Upper Lake Valley	5-13.00	-0.3	Department of Water Resources		4	4
Scotts Valley	5-14.00	+3.2	Department of Water Resources		1	1
Kelseyville Valley	5-15.00	-0.1	Department of Water Resources		9	9
Long Valley	5-31.00					
High Valley	5-16.00	-6.2	Department of Water Resources		2	2
Burns Valley	5-17.00					
Lower Lake Area	5-30.00	+0.8	Department of Water Resources		1	1
Coyote Valley	5-18.00	+1.3	Department of Water Resources		1	1
Collayomi Valley	5-19.00	+1.3	Department of Water Resources		2	2
Sacramento Valley	5-21.00					
Tehama County	5-21.01	+1.0	Department of Water Resources	19	49	47
Glenn County	5-21.02	-0.3	Glenn County U. S. Bureau of Reclamation Department of Water Resources		77 11 1	70 11 1
Butte County	5-21.03	-1.1	Department of Water Resources	16	74	72
Colusa County	5-21.04	0.0	U. S. Bureau of Reclamation Department of Water Resources		13 44	13 46
Sutter County	5-21.05	0.0	South Sutter Water District Department of Water Resources		25 113	25 112
Yuba County	5-21.06	-0.2	Department of Water Resources	1	96	96
Placer County	5-21.07	+0.4	South Sutter Water District Department of Water Resources		2 80	2 80

TABLE C-1 (Continued)

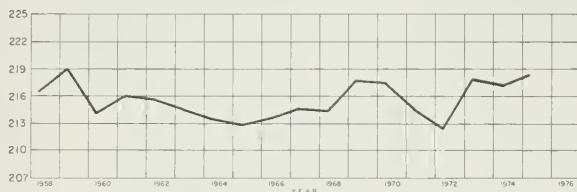
AVERAGE CHANGE OF GROUND WATER LEVELS  
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1974 to Spring 1975 in Feet	Measuring Agency	Number of Well Measurements Reported			
Name	Number			Monthly 1974-75	Fall 1974	Spring 1975	
Sacramento Valley (Continued)							
Sacramento County	5-21.08	-1.0	Sacramento County		89	87	
			Sacramento Muni. Utility Dist.		19	19	
			Arcade Water District		26	38	
			U. S. Bureau of Reclamation		82	81	
			Department of Water Resources	17	70	69	
Yolo County	5-21.09	+0.7	Yolo County		169	169	
			U. S. Bureau of Reclamation	3	76	75	
			Department of Water Resources	11	26	23	
Capay Valley	5-21.10	-0.2	Yolo County		21	20	
Solano County	5-21.11	+0.5	Solano County		22	21	
			U. S. Bureau of Reclamation	3	96	90	
			Department of Water Resources	13	22	22	
San Joaquin Valley							
Mokelumne River Area	5-22.01	-1.7	San Joaquin County		97	97	
			California Water Service Company		4	4	
			East Bay Municipal Utility Dist.	99	217	212	
			U. S. Bureau of Reclamation		2	2	
			Department of Water Resources	1	46	46	
Calaveras River Area	5-22.02	-1.0	San Joaquin County		88	88	
			California Water Service Company		18	18	
			East Bay Municipal Utility Dist.		6	6	
			Stockton-East Water District		34	34	
			Department of Water Resources	3	38	38	
Farmington- Collegeville Area	5-22.03	-1.4	San Joaquin County		57	57	
			Oakdale Irrigation District		2	2	
			Stockton-East Water District		1	1	
			Department of Water Resources	1	18	19	
South San Joaquin Irrigation District	5-22.05	-1.3	San Joaquin County		8	9	
			Oakdale Irrigation District		1	1	
			Department of Water Resources		41	41	
Delta Area	5-22.52	-0.6	San Joaquin County		9	8	
			Department of Water Resources	1	18	18	
LAHONTAN REGION							
Surprise Valley	6-01.00	-3.3	Department of Water Resources		12	12	
Madeline Plains	6-02.00						
Honey Lake Valley	6-04.00	-0.1	Department of Water Resources		10	10	
Tahoe Valley	6-05.00						
South Tahoe Valley	6-05.01	-0.7	Department of Water Resources		19	19	
TOTAL					218	2,116	2,099

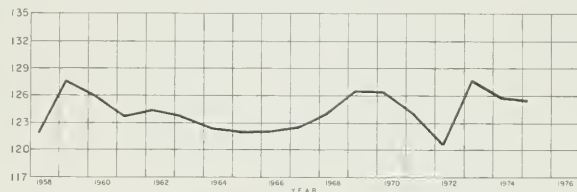
ELEVATION IN FEET - U.S.C. & G.S. DATUM



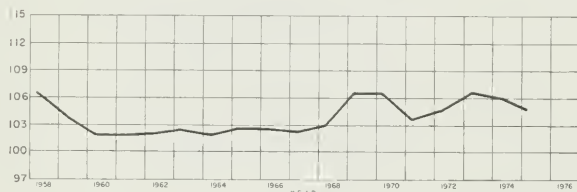
SACRAMENTO VALLEY AREA  
5 - 21.00  
AVERAGE GROUND SURFACE  
ELEVATION 96'



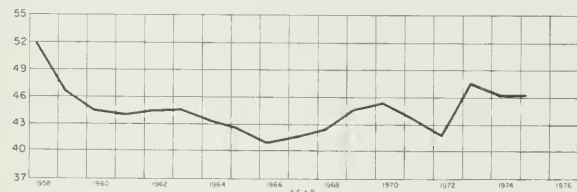
TEHAMA COUNTY AREA  
5 - 21.01  
AVERAGE GROUND SURFACE  
ELEVATION 248'



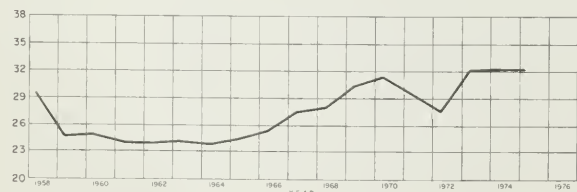
GLENN COUNTY AREA  
5 - 21.02  
AVERAGE GROUND SURFACE  
ELEVATION 140'



BUTTE COUNTY AREA  
5 - 21.03  
AVERAGE GROUND SURFACE  
ELEVATION 126'



COLUSA COUNTY AREA  
5 - 21.04  
AVERAGE GROUND SURFACE  
ELEVATION 75'

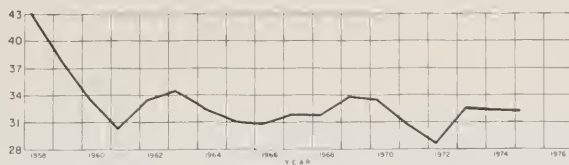


SUTTER COUNTY AREA  
5 - 21.05  
AVERAGE GROUND SURFACE  
ELEVATION 42'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS



ELEVATION IN FEET - U.S.C. &amp; G.S. DATUM

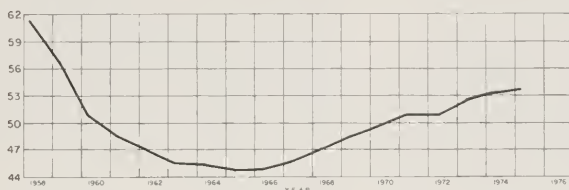


YUBA COUNTY AREA

5-21.06

AVERAGE GROUND SURFACE

ELEVATION 70'

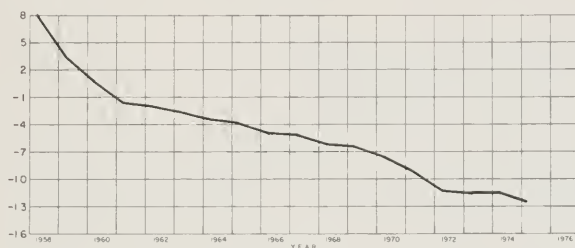


PLACER COUNTY AREA

5-21.07

AVERAGE GROUND SURFACE

ELEVATION 100'

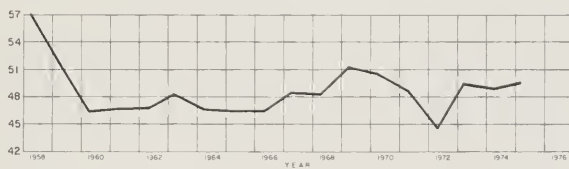


SACRAMENTO COUNTY AREA

5-21.08

AVERAGE GROUND SURFACE

ELEVATION 52'

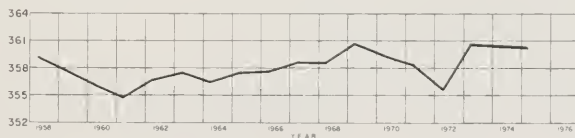


YOLO COUNTY AREA

5-21.09

AVERAGE GROUND SURFACE

ELEVATION 79'

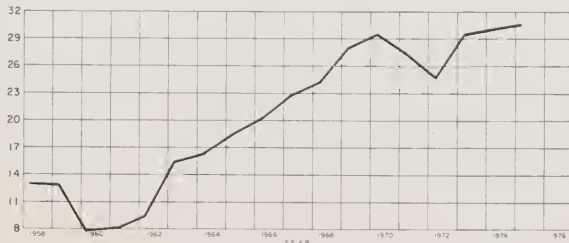


CAPAY VALLEY AREA

5-21.10

AVERAGE GROUND SURFACE

ELEVATION 380'



SOLANO COUNTY AREA

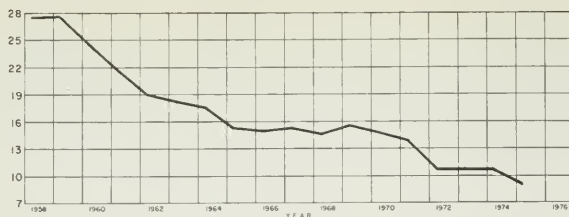
5-21.11

AVERAGE GROUND SURFACE

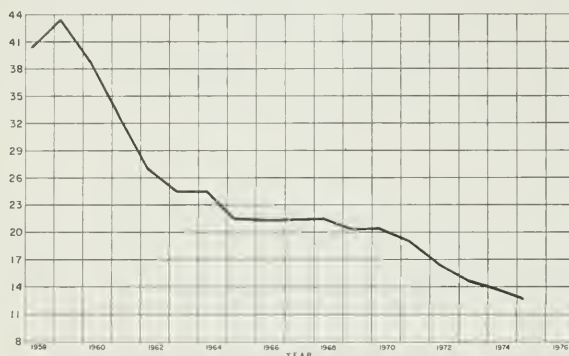
ELEVATION 55'

## FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

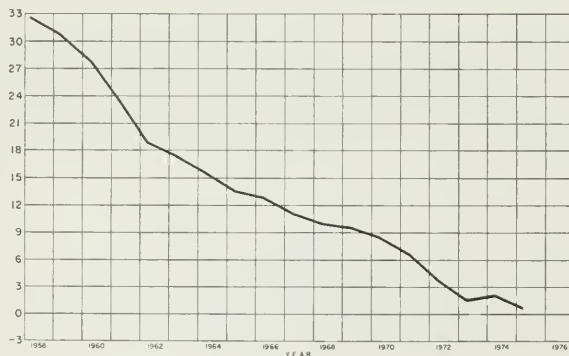
ELEVATION IN FEET - U.S.C. & G.S. DATUM



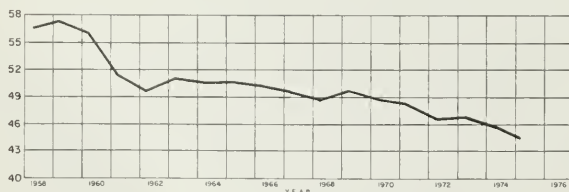
MOKELUMNE RIVER AREA  
5-22.01  
AVERAGE GROUND SURFACE  
ELEVATION 73'



CALAVERAS RIVER AREA  
5-22.02  
AVERAGE GROUND SURFACE  
ELEVATION 97'



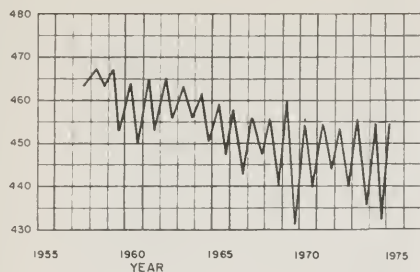
FARMINGTON - COLLEGEVILLE  
AREA  
5-22.03  
AVERAGE GROUND SURFACE  
ELEVATION 78'



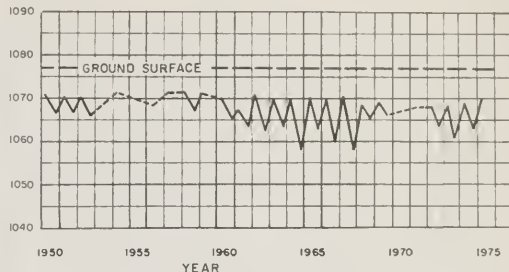
SOUTH SAN JOAQUIN  
IRRIGATION DISTRICT AREA  
5-22.05  
AVERAGE GROUND SURFACE  
ELEVATION 69'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

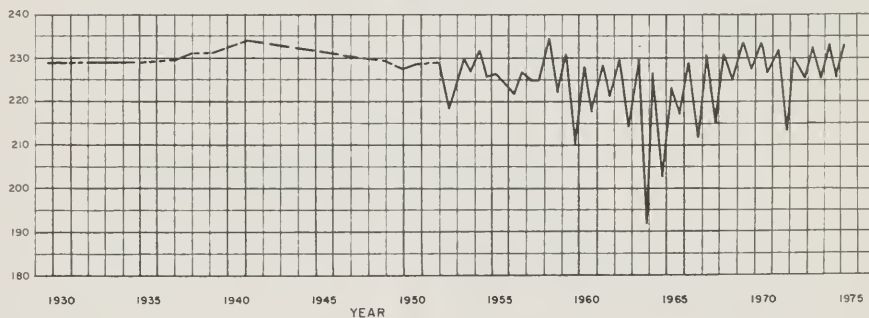
REDDING BASIN (5-6.00)  
SHASTA COUNTY  
WELL 29N/5W-11A2, M D B & M  
GROUND SURFACE ELEVATION 512'



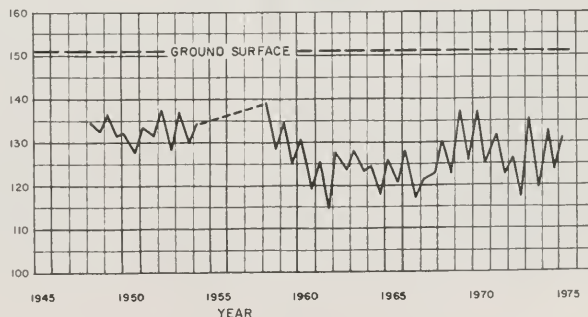
COLLAYOMI VALLEY (5-19.00)  
LAKE COUNTY  
WELL 11N/7W-35E1, M D B & M  
GROUND SURFACE ELEVATION 1077'



SACRAMENTO VALLEY (5-21.00)  
TEHAMA COUNTY (5-21.01)  
WELL 26N/3W-4K1, M D B & M  
GROUND SURFACE ELEVATION 295'



SACRAMENTO VALLEY (5-21.00)  
GLENN COUNTY (5-21.02)  
WELL 21N/2W-28M1, M D B & M  
GROUND SURFACE ELEVATION 131'

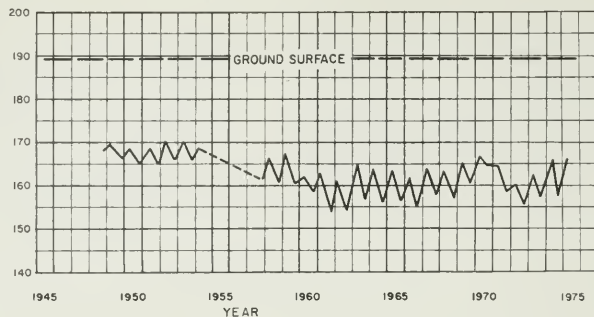


-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

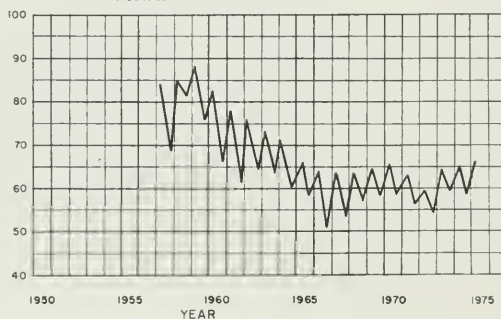
## FLUCTUATION OF WATER LEVEL IN WELLS

ELEVATION IN FEET - U.S.C. &amp; G.S. DATUM

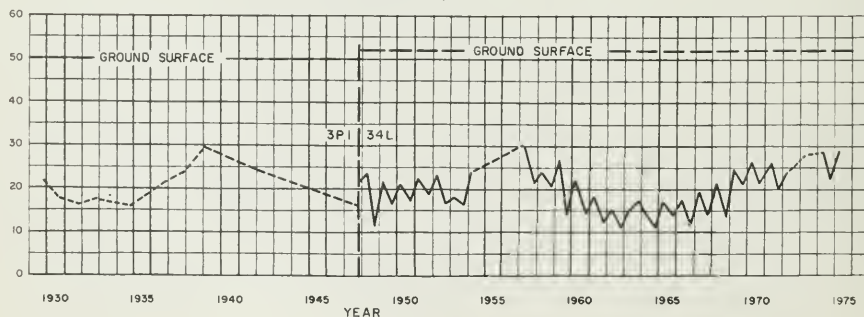
SACRAMENTO VALLEY (5-21.00)  
 BUTTE COUNTY (5-21.03)  
 WELL 23N/1W-14 RI, M.D.B. & M.  
 GROUND SURFACE ELEVATION 185'



SACRAMENTO VALLEY (5-21.00)  
 COLUSA COUNTY (5-21.04)  
 WELL 14N/2W-16N2, M.D.B. & M.  
 GROUND SURFACE ELEVATION 118'



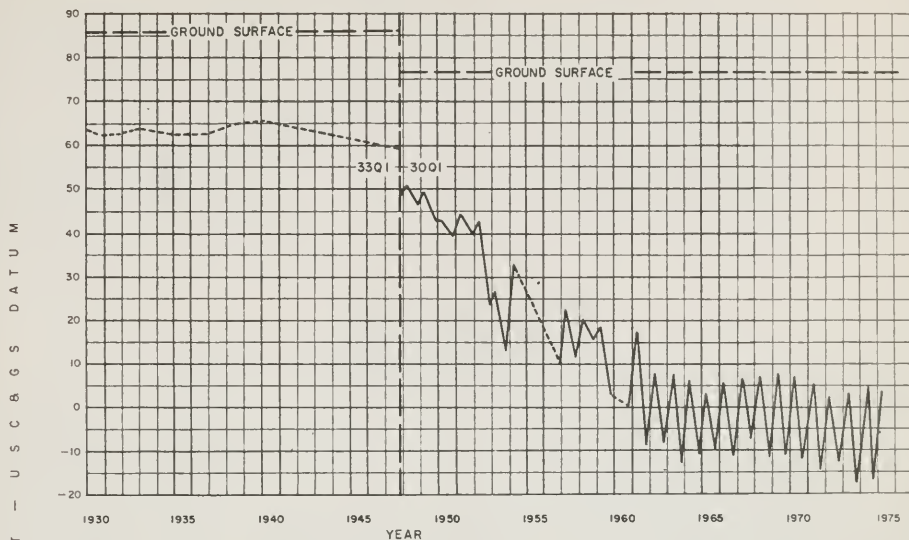
SACRAMENTO VALLEY (5-21.00)  
 SUTTER COUNTY (5-21.05)  
 WELLS 14N/3E-3PI, 15N/3E-34LI, M.D.B. & M.  
 GROUND SURFACE ELEVATION 30', 32'



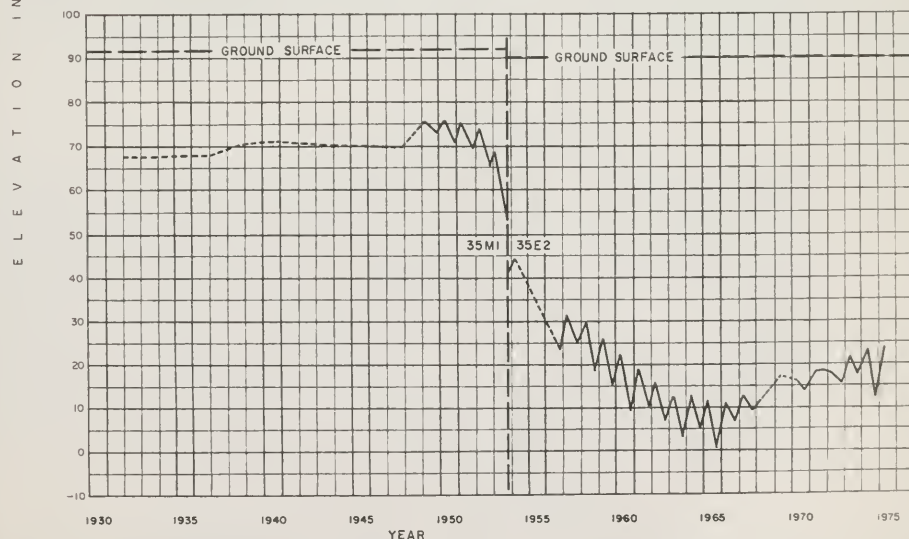
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

SACRAMENTO VALLEY (5-21.00)  
YUBA COUNTY (5-21.06)  
WELLS 14N/5E-33Q1, 14N/5E-30Q1, M.D.B. & M.  
GROUND SURFACE ELEVATION 86'.77



SACRAMENTO VALLEY (5-21.00)  
PLACER COUNTY (5-21.07)  
WELLS 13N/5E-35M1, 12N/5E-35E2, M.D.B. & M.  
GROUND SURFACE ELEVATION 92'.90

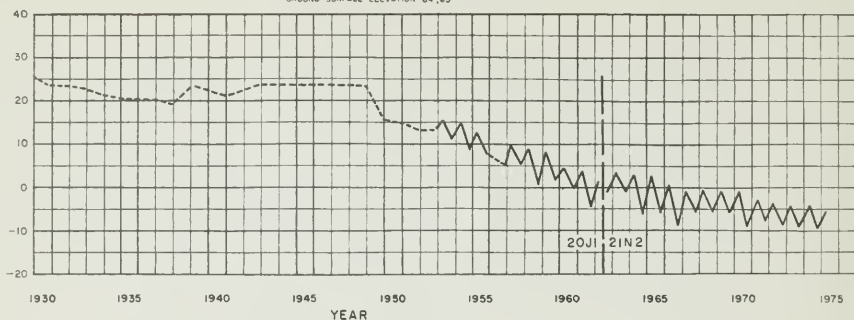


-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

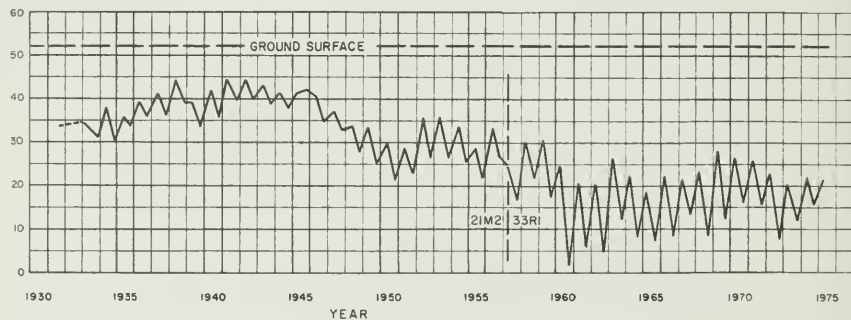
FLUCTUATION OF WATER LEVEL IN WELLS

E L E V A T I O N I N F E E T - U S C &amp; G S D A T U M

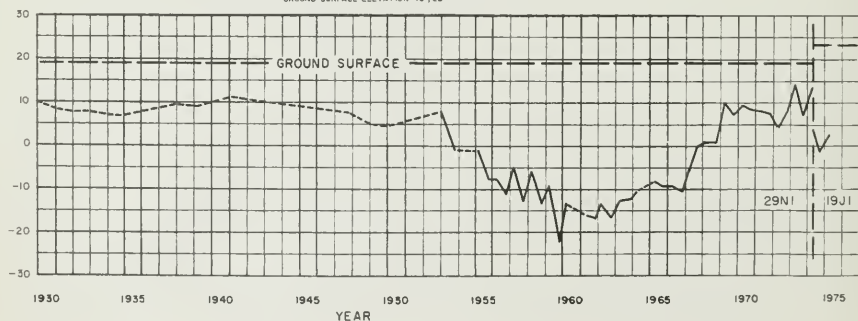
SACRAMENTO VALLEY (5-21.00)  
SACRAMENTO COUNTY (5-21.08)  
WELLS 8N/6E-20J1, 8N/6E-21N2, MDB & M  
GROUND SURFACE ELEVATION 64.45'



SACRAMENTO VALLEY (5-21.00)  
YOLO COUNTY (5-21.09)  
WELLS 10N/2E-21M2, 10N/2E-33R1, MDB & M  
GROUND SURFACE ELEVATION 52'



SACRAMENTO VALLEY (5-21.00)  
SOLANO COUNTY (5-21.11)  
WELLS 6N/2E - 29N1, 6N/2E - 19J1, M D B & M  
GROUND SURFACE ELEVATION 19'.23'



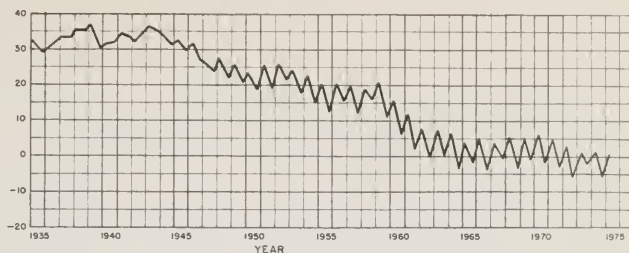
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

## FLUCTUATION OF WATER LEVEL IN WELLS

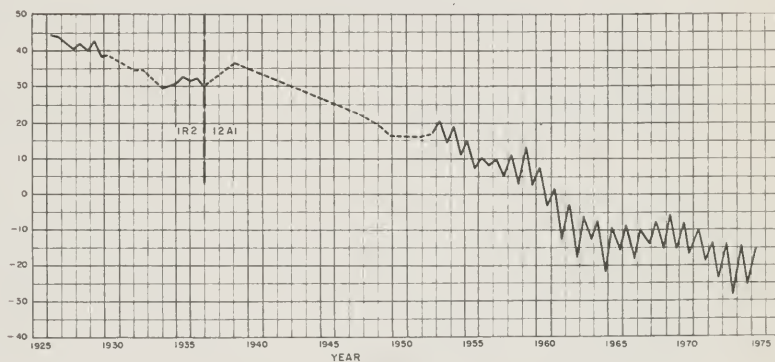


ELEVATION IN FEET - U.S.C. &amp; G.S. DATUM

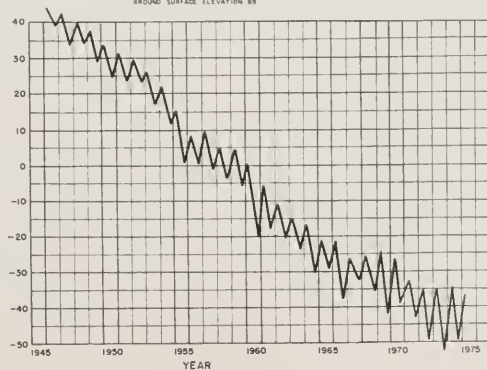
SAN JOAQUIN VALLEY (5-22.00)  
 MOKELUMNE RIVER AREA (5-22.01)  
 WELL 3N/7E-10L4, M.D.B. & M.  
 GROUND SURFACE ELEVATION 73'



SAN JOAQUIN VALLEY (5-22.00)  
 CALAVERAS RIVER AREA (5-22.02)  
 WELLS 2N/7E-1R2, 2N/7E-12A1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 74.2'



SAN JOAQUIN VALLEY (5-22.00)  
 FARMINGTON-COLLEGEVILLE AREA (5-22.03)  
 WELL 1N/8E-17D1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 89'



----- CONNECTS MEASUREMENTS  
 MADE AT INTERVALS OF A  
 YEAR OR MORE

# FLUCTUATION OF WATER LEVEL IN WELLS





## Appendix D

### SURFACE WATER QUALITY DATA

This appendix summarizes the surface water quality data collected in Northeastern California during the period from October 1, 1974, through September 30, 1975. The data were collected from 153 stream, lake, and estuarine stations in cooperation with other State, local, and federal agencies.

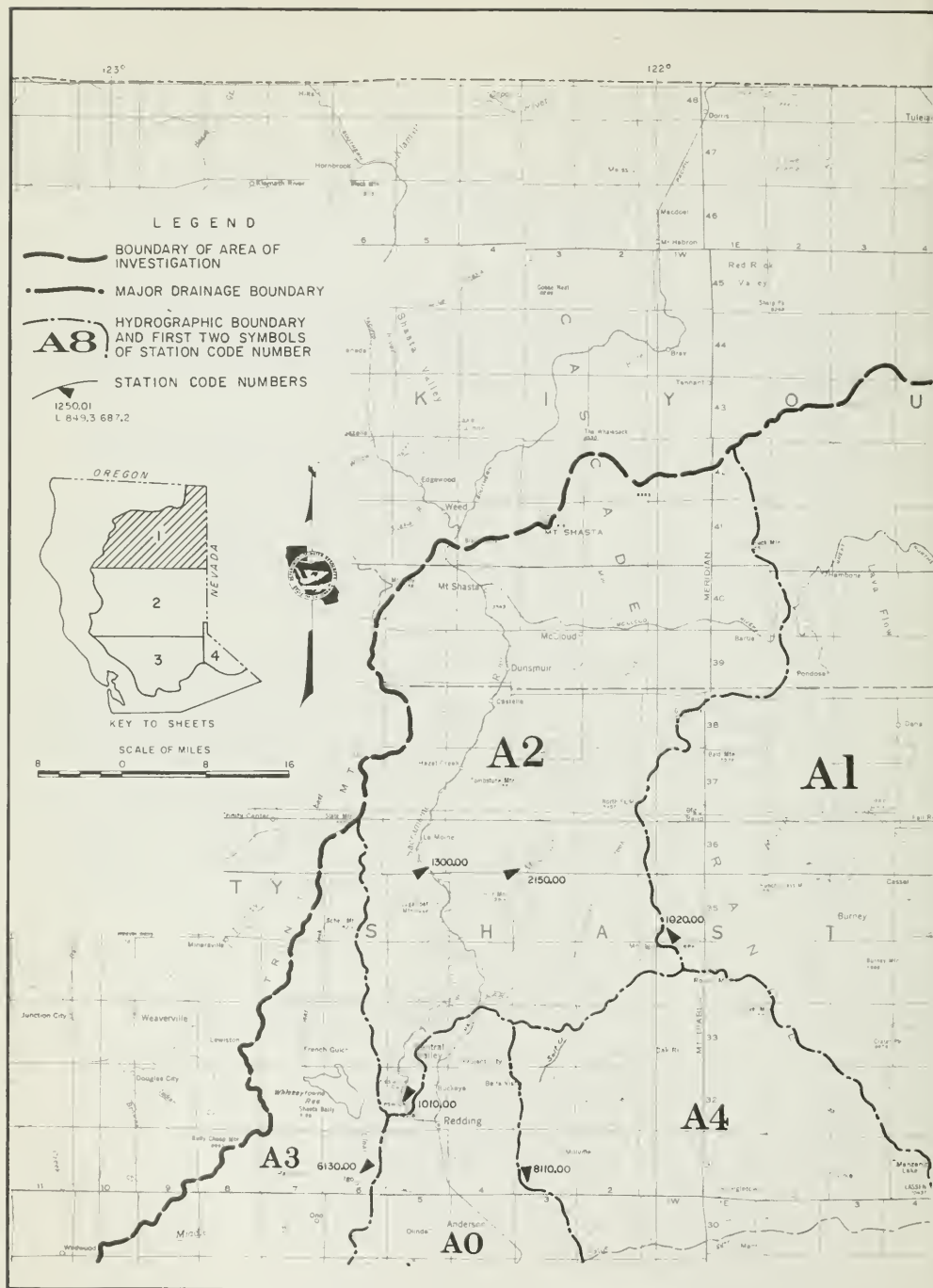
The Department of Water Resources Laboratory used procedures from the latest edition of "Standard Methods for the Examination of Water and Wastewater" for the determination of all constituents.

Two numbering systems are used in this bulletin for identifying water quality stations. The first is for those stations for which the flow of water can be measured readily, as in streams and rivers. This system is described in the introduction to Appendix B.

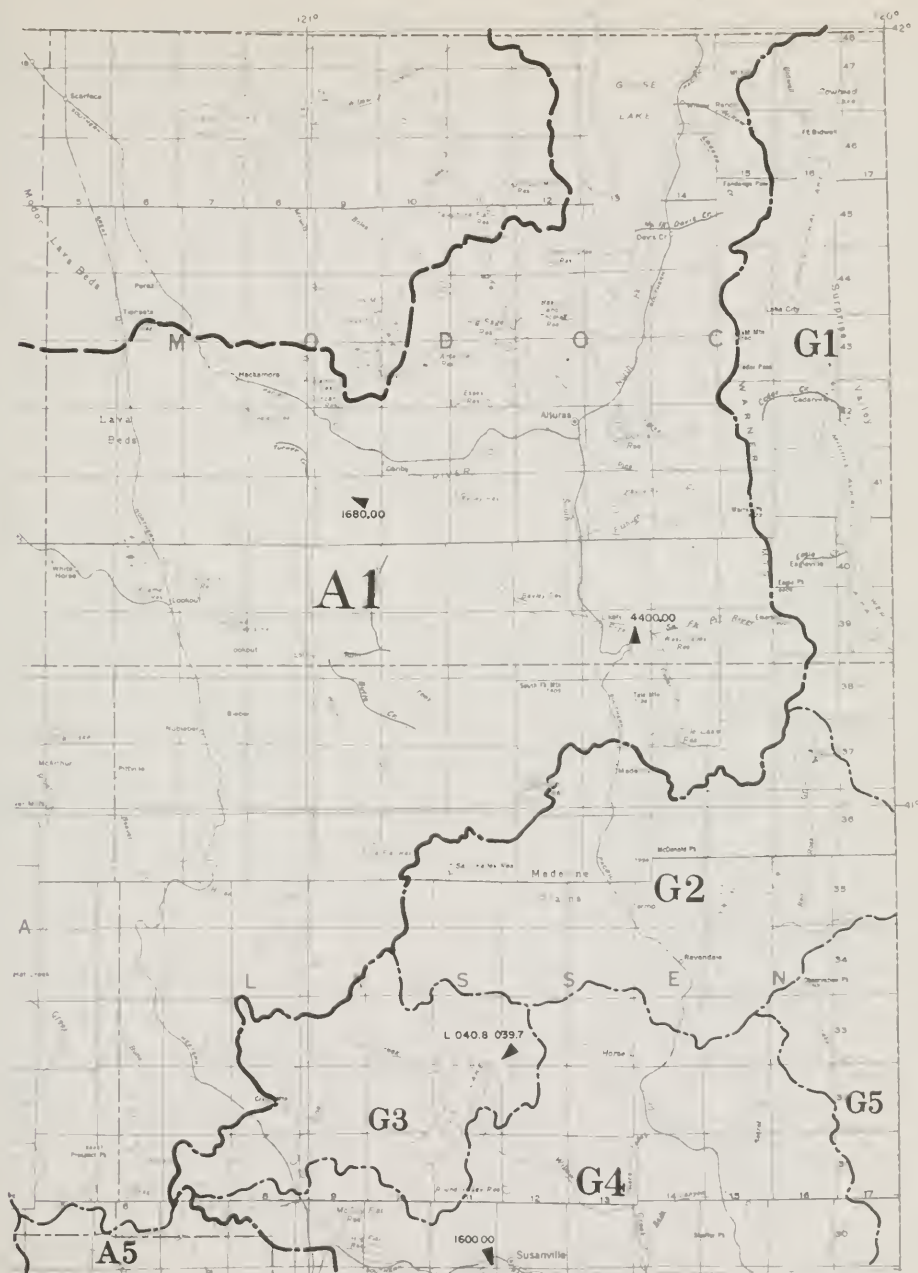
The second numbering system is used for stations located in broad water bodies. This system is described as follows. The first two digits show the hydrographic unit as identified in Appendix B on page 19. The third digit identifies the type of water body, and for this publication is a "B" for Bay system; "C" for canal; "D" for Sacramento-San Joaquin Delta system; "L" for lake; "R" for reservoir; "S" for slough; "V" for agricultural drain; and "X" for a channel of two-direction flow. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The next three digits are the minutes of latitude to the tenth of a minute. The last four digits are the longitude in the same manner as latitude. A fifth digit indicates a sequence number when two stations have the same eight-digit latitude and longitude numbers.

Example: G7 L 904.5 008.4 2

G7	North Lahontan Area, Truckee River Unit
L	Water Body -- Lake
9	39° Latitude
04.5	04.5' Latitude
0	120° Longitude
08.4	08.4' Longitude
2	Second Station

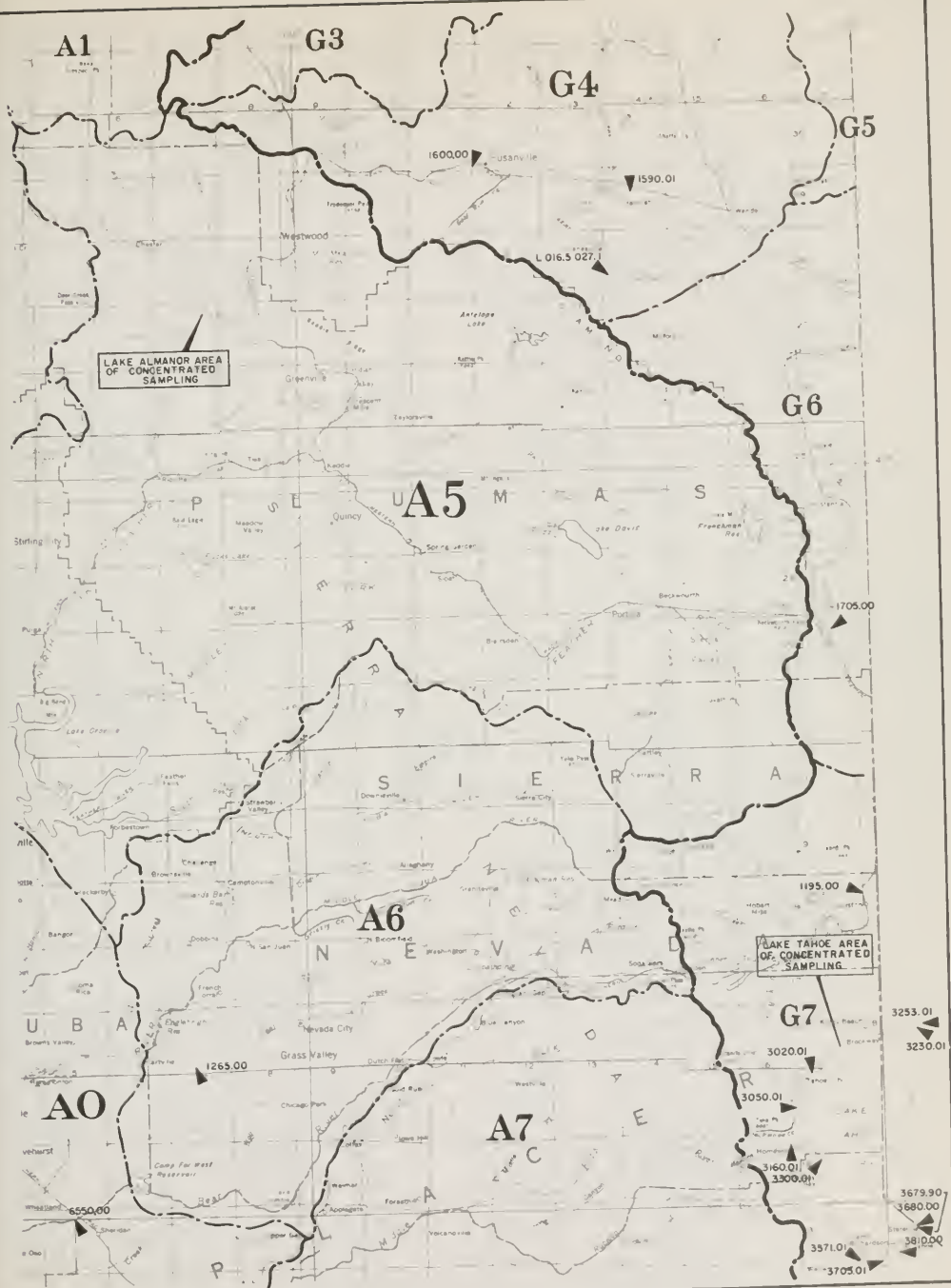


SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



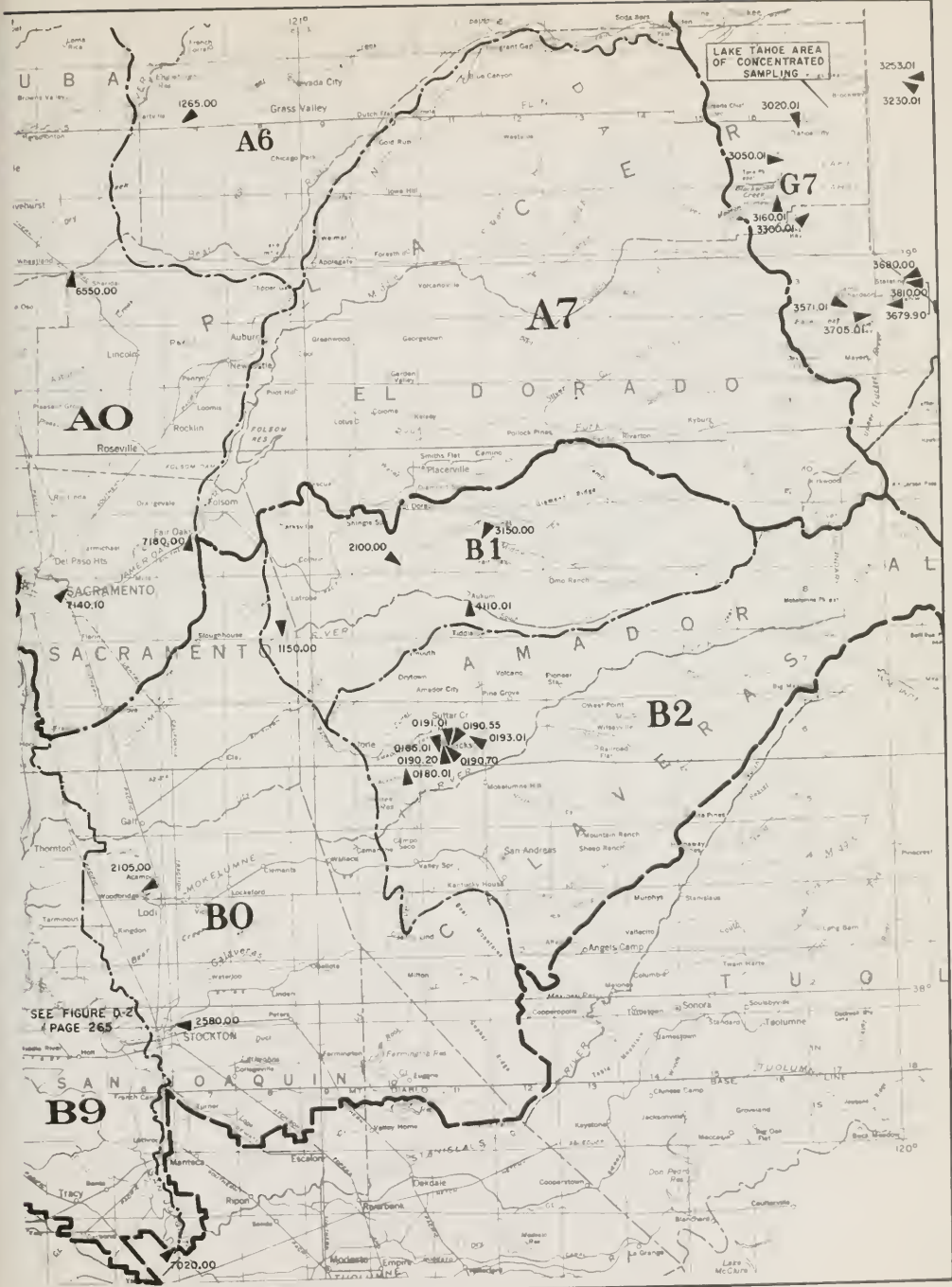


SURFACE WATER QUALITY SAMPLING STATIONS

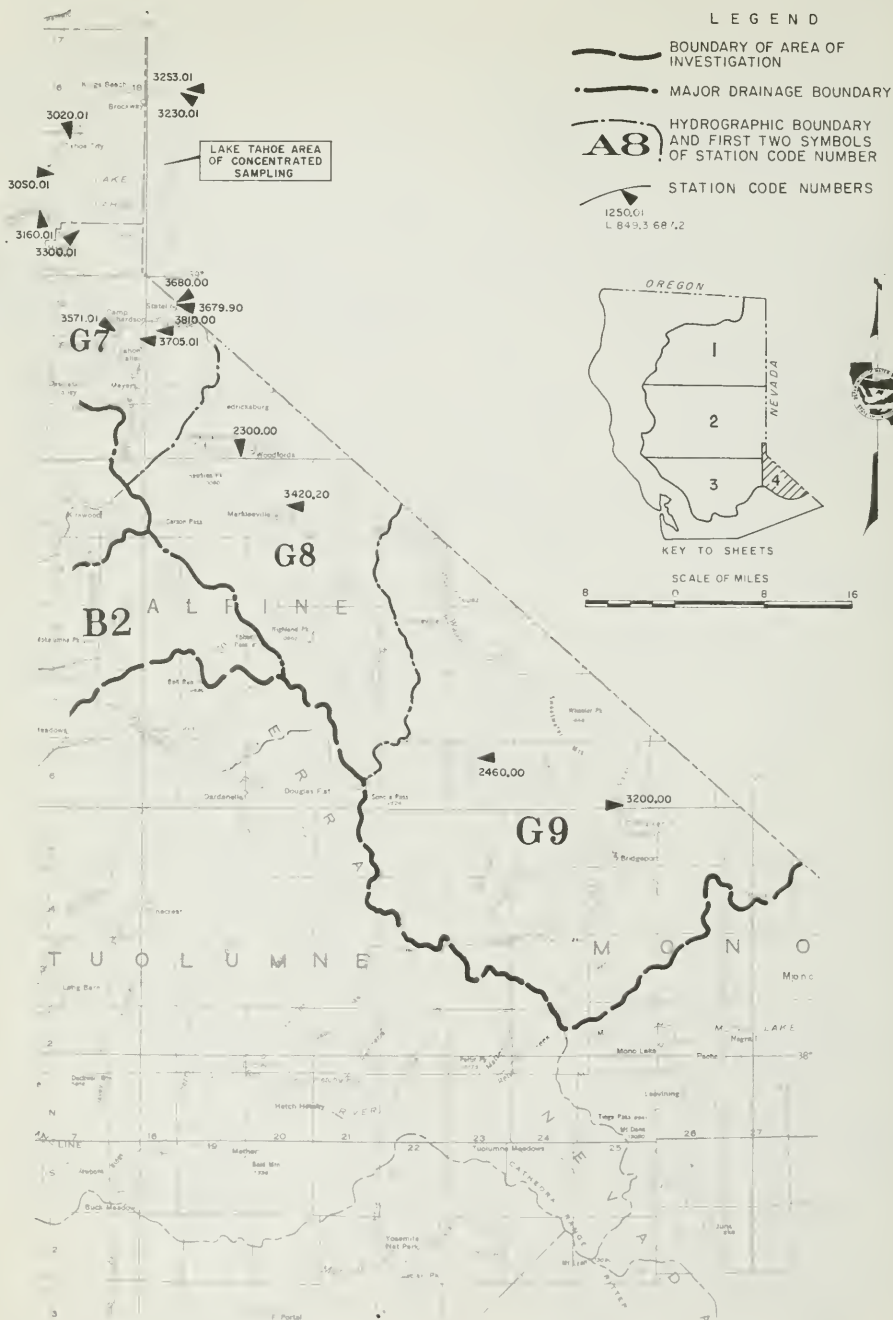








## SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS

TABLE D-1

## SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION		RECORD BEGAN	DATA ON PAGES INDICATED										
		LATITUDE ° ' "	LONGITUDE ° ' "		TABLE									FIGURE	
					D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-1	D-2	
American River Below Nimbus Dam	A0 7180.00	38-38-08	121-13-36	02/56	278	313	319	340	360			379	259		
American River at Sacramento Water Plant	A0 7140.10	38-33-35	121-24-57	10/68	277	312	318	340	360		370	379	259		
Antelope Creek near Red Bluff	A4 5110.50	40-12-10	122-07-05	11/58	282								256		
Battle Creek near Cottonwood	A4 7110.00	40-23-50	122-08-05	04/68	282								256		
Bear Creek near Rumsey	A8 1250.00	38-56-42	122-20-42	10/68	284	313		342					258		
Bear River near Wheatland	A0 6550.00	39-00-01	121-24-20	12/51	277								259		
Big Break near Oakley	B9 D 801.1	38-01-05	121-42-38	03/68	294	314	324	347	361				265		
Big Chico Creek near Chico	A4 2110.00	39-46-18	121-45-45	07/52	282	313		342					256		
Burton Creek in Star Harbor (T-8)	G7 3020.01	39-10-54	120-07-08	08/71	309			357					259		
Butte Creek near Chico	A4 1110.00	39-43-34	121-42-28	07/52	282	313		342					256		
Butte Slough near Meridian	A0 2972.00	39-10-15	121-54-00	02/71	272	312	318	339	360				256		
Cache Creek near Capay	A8 1120.00	38-43-43	122-06-14	12/51	284						372		258		
Cache Creek near Lower Lake	A8 1350.00	38-55-24	122-33-54	11/51	285	313		342	360				258		
Cache Creek, North Fork, near Lower Lake	A8 2050.00	39-01-06	122-34-05	12/51	285	313		342					258		
Capell Creek at Circle Oaks	A9 1385.00	38-24-30	122-12-10	12/74	286		319						258		
Capell Creek at Hwy 121 near Moskowite Corner	A9 1377.00	38-26-05	122-12-05	12/74	286		319						258		
Carson River, East Fork, at Highway 4	C8 3420.20	38-41-20	119-45-44	09/58	310								260		
Carson River, West Fork, at Woodfords	C8 2300.00	38-46-10	119-50-00	08/58	310								260		
Clear Creek near Igo	A3 6130.00	40-30-47	122-31-24	04/58	282								254		
Clear Lake at Lakeport	A8 L 902.7	39-02-36	122-54-48	04/51	283	313		342					258		
Colusa Basin Drain at Highway 20	A0 2976.00	39-11-45	122-03-35	07/62	273	312	318	339					256		
Colusa Basin Drain near Knights Landing	A0 2947.10	38-48-45	121-46-25	03/67	270	312	318	337	360		369		258		
Cosumnes River at Michigan Bar	B1 1150.00	38-30-01	121-02-40	07/52	288						375		259		
Cosumnes River, Middle Fork, near Somerset	B1 3150.00	38-37-29	120-42-02	10/67	288								259		
Cosumnes River, North Fork, near El Dorado	B1 2100.00	38-35-20	120-50-38	10/57	288								259		
Cosumnes River, South Fork, at River Pines	B1 4110.01	38-32-48	120-44-10	10/67	288								259		
Cottonwood Creek at Cottonwood	A0 3520.50	40-22-35	122-16-45	04/51	273	312		339					256		
Cottonwood Creek Middle Fork near Gas Point	A0 3581.00	40-23-06	122-31-45		274								256		
Cottonwood Creek North Fork near Igo	A0 3545.00	40-26-30	122-32-54		274								256		
Cottonwood Creek, South Fork, near Cottonwood	A0 3595.00	40-19-00	122-26-55	11/58	274								256		
Cow Creek near Millville	A4 8110.00	40-30-20	122-13-55	04/58	283								254		
Deer Creek at Highway 99E	A0 4321.01	39-56-48	122-03-06	05/71	275	312		339					256		
Disappointment Slough at Bishop Cut	B9 D 802.6	38-02-38	121-25-04	03/74	296		326	348					265		
Eagle Lake near Susanville	G3 L 040.8	40-40-47	120-39-42		307								255		
East Walker River near Bridgeport	G9 3200.00	38-19-40	119-12-49	08/58	310								260		
Edgewood Creek at Highway 50 (T-7)	G7 3680.00	38-57-58	119-56-11	08/71	310			358					259		
Edgewood Creek at Mouth (T-7A)	G7 3679.90	38-58-00	119-56-57	08/72	310			357					259		
Elder Creek at Gerber	A0 3320.00	40-18-06	122-09-54	01/59	273								256		
Elder Creek near Paskenta	A3 3110.00	40-01-30	120-30-36	10/58	282			342					256		
Feather River Fish Hatchery	A0 5990.00	39-31-05	121-33-11	03/69					364				256		
Feather River near Gridley	A0 5165.00	39-22-01	121-38-43	03/67					363				256		
Feather River at Nicolaus	A0 5103.00	38-54-01	121-35-00	03/49	275			339					258		
Franks Tract near Russos Landing	B9 D 802.6	38-02-38	121-36-49	04/68	296		327	349	361				265		
Georgiana Slough near Isleton	B9 D 809.0	38-09-03	121-35-47	03/74	304		332	354					264		
General Creek near Meeks Bay (T-3)	G7 3300.01	39-03-15	120-06-49	07/68	310			357					259		
Grindstone Creek near Elk Creek	A3 1302.00	39-40-48	122-31-52	04/69	281			341					256		
Honey Lake near Buntingville	G4 L 016.5	40-16-30	120-27-06		307	316		356					257		
Incline Creek at Incline Village (T-2)	G7 3253.01	39-14-30	119-56-33	07/68	310			357					259		
Jack Slough at Marysville	A0 5660.00	39-09-34	121-35-34	09/67	276		318						256		
Jackson Creek above City of Jackson STP	B2 0190.20	38-20-04	120-46-56	10/73	289		320	343			379	259			
Jackson Creek below City of Jackson STP	B2 0185.01	38-20-38	120-47-12	10/73	288		320	343			379	259			
Jackson Creek at Japur Road Bridge	B2 0180.01	38-18-54	120-50-00	10/73	288		320	343			379	259			
Jackson Creek below New York Gulch	B2 0193.01	38-21-44	120-44-14	06/74	289		321	343			379	259			
Jackson Creek above South Fork Jackson Creek	B2 0191.01	38-20-52	120-46-19	06/74	289		321	343			379	259			
Jackson Creek, North Fork, in Jackson	B2 0190.55	38-20-57	120-46-25	05/75	289		320	343			379	259			
Jackson Creek, South Fork, in Jackson	B2 0190.70	38-20-51	120-46-18	05/75	289		320	343			379	259			
Lake Tahoe at Camp Richardson - Edwards Pier	G7 L 856.3	38-56-20	120-02-18	05/73	308			357					259		
Lake Tahoe at Carnelian Bay - Sierra Boat Co.	G7 L 913.5	39-13-32	120-04-51	08/73	309			357					259		
Lake Tahoe at Glenbrook Bay Pier (S-3)	G7 L 905.3	39-05-13	119-56-24	08/71	309			357					259		
Lake Tahoe at Kings Beach Pier (S-7)	G7 L 914.2	39-14-14	120-02-16	07/71	309			357					259		

TABLE D-1 (CONTINUED)

## SAMPLING STATION DATA AND INDEX

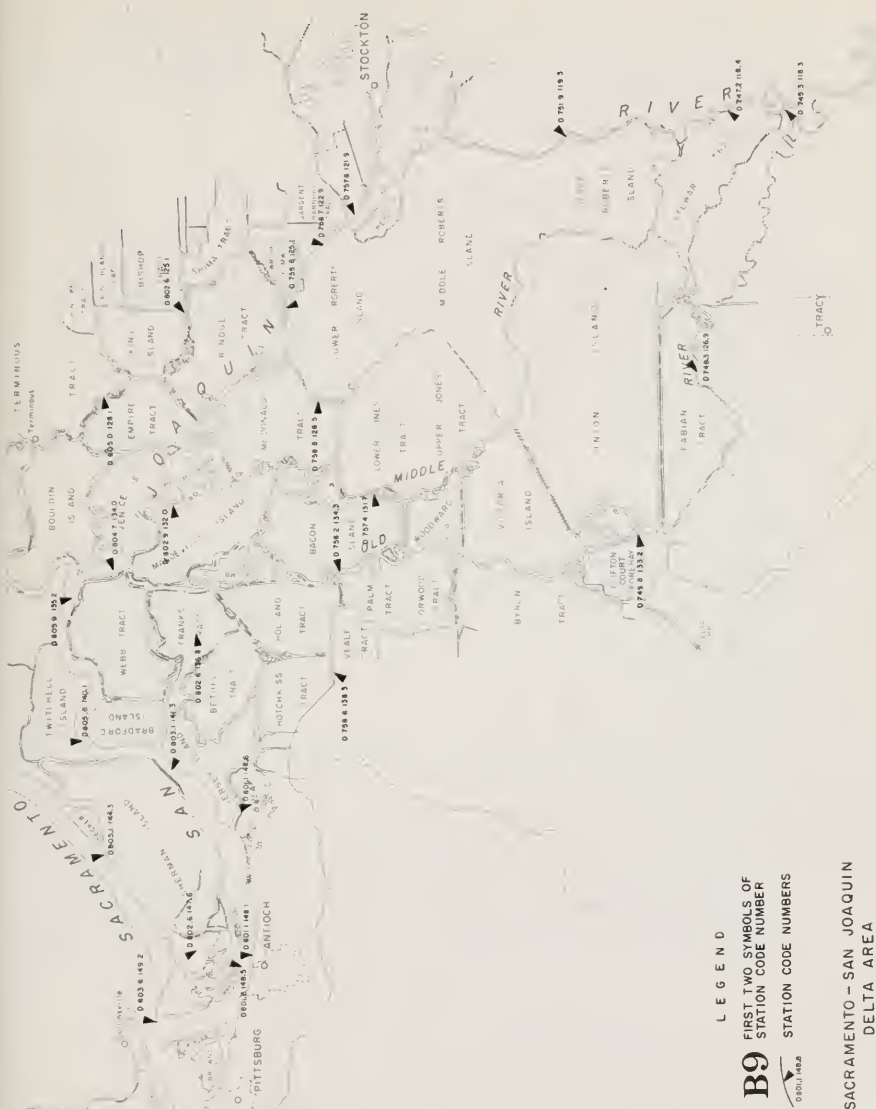
STATION NAME	STATION NUMBER	LOCATION		RECORD BEGAN	DATA ON PAGES INDICATED									
		LATITUDE ° ' "	LONGITUDE ° ' "		TABLE									
					D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-1	D-2
Lake Tahoe at Kings Castle Pier (S-4)	G7 L 914.2 956.6	39-14-14	119-56-37	08/71	309			357					259	
Lake Tahoe - North Center (C-2)	G7 L 908.7 000.3	39-08-42	120-00-15	07/68	309			357					259	
Lake Tahoe at Rubicon Bay Pier (S-2)	G7 L 900.9 006.82	39-00-52	120-06-50	07/71	309			357					259	
Lake Tahoe - South Center (C-1)	G7 L 900.0 000.0	39-00-00	120-00-00	07/68	309			357					259	
Lake Tahoe at Stateline - Lakeside Marina	G7 L 857.6 957.1	38-57-33	119-57-03	05/73	309			357					259	
Lake Tahoe at Surf and Sands Pier (S-10)	G7 L 857.0 958.02	38-57-00	119-58-00	07/71	309			357					259	
Lake Tahoe at Tahoe Keys Pier (S-1)	G7 L 856.3 000.5	38-56-18	120-00-29	08/71	308			356					259	
Lake Tahoe at U.S. Coast Guard Pier (S-5)	G7 L 910.8 007.12	39-10-50	120-07-05	08/71	309			357					259	
Lake Tahoe at Ward Creek Pier (S-11)	G7 L 907.8 009.2	39-07-50	120-09-09	08/71	309			357					259	
Lake Tahoe at Zephyr Cove Pier (S-8)	G7 L 900.4 956.9	39-00-26	119-56-56	08/71	309			357					259	
Long Valley Creek near Hallelujah Junction	G6 1705.00	39-46-55	120-04-14	03/71	308	316		356					257	
Madden Creek near Mouth (T-10)	G7 3160.01	39-05-27	120-09-43	08/71	309			357					259	
McCloud River above Shasta Lake	A2 2150.00	40-57-30	122-13-05	04/51	280								254	
Middle River at Bacon Island Bridge	B9 D 757.4 131.7	37-57-21	121-31-40	03/74	292		323	345					265	
Mill Creek near Mouth near Los Molinos	A0 4420.50	40-02-35	122-05-55	07/52	275	312		339					256	
Mokelumne River near Thornton	B9 D 815.3 126.3	38-15-20	121-26-21	02/68	305	315	333	355	362				264	
Mokelumne River at Woodbridge	B0 2105.00	38-09-30	121-18-10	04/51	286						373		259	
Mokelumne River, North Fork, at Broad Slough	B9 D 808.7 133.4	38-08-44	121-33-24	03/74	304		332	354					264	
Mokelumne River, SF, below Sycamore Slough	B9 D 807.6 129.7	38-07-34	121-29-43	03/74	302		331	353					264	
Natomas Main Drain to Sacramento River	A0 V 836.4 131.4	38-36-22	121-31-25	04/72	267		318						258	
Old River opposite Rancho Del Rio	B9 D 758.2 134.3	37-58-14	121-34-19	07/73	292		323	346					265	
Old River at Tracy Road Bridge	B9 D 748.3 126.9	37-48-17	121-26-55	02/68	290		321	344					265	
Paynes Creek near Red Bluff	A4 6050.01	40-18-54	122-04-12	10/58	282								256	
Pit River near Canby	A1 1680.00	41-24-23	120-55-38	04/51	279	313		341	360				255	
Pit River near Montgomery Creek	A1 1020.00	40-50-30	122-01-00	04/51	278	313		341					254	
Pit River, South Fork, near Likely	A1 4400.00	41-13-51	120-26-10	08/58	279								255	
Putah Creek near Winters	A9 1250.00	38-30-55	122-04-50	12/51	285								258	
Red Bank Creek near Red Bluff	A0 3460.00	40-05-25	122-24-45	01/59	273								256	
Rock Slough at Contra Costa Canal Intake	B9 D 758.6 138.3	37-58-35	121-38-19	09/52	293		323	346					265	
RD 70 Drainage to Sacramento River	A0 2965.00	39-04-06	121-51-42	08/69	272	312	318	338	360				258	
RD 108 Drainage to Sacramento River	A0 2933.00	38-51-48	121-47-30	08/69	270	312	318	337	360				258	
RD 784 Drain to Feather River	A0 V 857.4 134.4	38-57-26	121-34-26	09/75	267		318						258	
RD 787 Drainage to Colusa Basin Drain	A0 2950.00	38-48-06	121-43-36	08/69	271	312	318	338					258	
RD 787 Drainage to Sacramento River	A0 2955.00	38-50-48	121-43-48	08/69	271	312	318	338					258	
RD 1001 Drainage to Natomas Cross Canal	A0 V 847.4 135.8	38-47-25	121-35-47	04/72	267		318						258	
RD 1500 Drainage to Sacramento Slough	A0 2926.00	38-47-06	121-39-18		270		337						258	
Sacramento River at Bend Bridge	A0 2785.00	40-15-48	122-13-19	01/57	269	312		337	360				256	
Sacramento River at Butte City	A0 2500.00	39-27-25	121-59-35	01/57	269								256	
Sacramento River at Colusa	A0 2420.00	39-12-48	121-59-54	10/58	268								256	
Sacramento River above Colusa Basin Drain	A0 2230.02	38-48-29	121-43-25	07/60	268	312	318	336	360				258	
Sacramento River at Delta	A2 1300.00	40-56-20	122-24-55	04/51	280								254	
Sacramento River at Elkhorn Ferry	A0 2112.00	38-40-33	121-37-15	08/69	267		336						258	
Sacramento River at Emmston	B9 D 805.1 144.3	38-05-04	121-44-17	10/67	300		330	352	362				265	
Sacramento River at Fremont Weir, West End	A0 2170.00	38-45-34	121-39-59	06/65	267			336	360	363	368		258	
Sacramento River at Greenes Landing	B9 D 820.7 132.7	38-20-45	121-32-42	07/62	306	315	334	355	362				264	
Sacramento River at Hamilton City	A0 2630.00	39-45-06	121-59-48	04/51	269								256	
Sacramento River at Keswick	A2 1010.00	40-36-40	122-26-45	04/51	279	313		341					254	
Sacramento River below Knights Landing	A0 2195.01	38-45-48	121-40-45	07/67	268		318						258	
Sacramento River above Point Sacramento	B9 D 803.8 149.2	38-03-45	121-49-10	03/71	299	315	328	350	361				265	
Sacramento River below Rio Vista Bridge	B9 D 809.4 141.0	38-09-27	121-41-01	01/68	304	315	332	354	362				264	
Sacramento River near Ryde	B9 D 814.5 133.2	38-14-28	121-33-09	03/74	305		333	355					264	
Sacramento River at Walnut Grove	B9 D 814.5 130.8	38-14-32	121-30-48	12/60						367			264	
Sacramento Slough at Sacramento River	A0 2925.00	38-46-50	121-38-20	01/51	270		318						258	
San Joaquin River at Antioch Ship Channel	B9 D 801.2 148.5	38-01-15	121-48-28	01/68	295	314	325	348	361				265	
San Joaquin River at Brandt Bridge	B9 D 751.9 119.3	37-51-53	121-19-19	03/57	292		323	345					265	
San Joaquin River at Buckley Cove	B9 D 758.7 122.9	37-58-42	121-22-55	02/68	293	314	324	346	361				265	
San Joaquin River at Jersey Point	B9 D 803.1 141.3	38-03-09	121-41-17	10/67	298	314	328	350	361				265	
San Joaquin River at Mossdale Bridge	B9 D 747.2 118.4	37-47-11	121-18-22	09/52	289		321	343	361	365	376		265	
San Joaquin River near Mouth of Middle River	B9 D 802.9 132.0	38-02-54	121-32-01	03/74	298		328	350					265	
San Joaquin River above Paradise Cut	B9 D 745.3 118.3	37-45-16	121-18-16	06/75	289		321	343					265	

TABLE D-1 (CONTINUED)  
SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION		RECORD BEGAN	DATA ON PAGES INDICATED									
		LATITUDE ° ' "	LONGITUDE ° ' "		TABLE								FIGURE	
					D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-1	D-2
San Joaquin River at Potato Point	B9 D 804.7 134.0	38-04-40	121-34-00	03/71	299	315	329	351	362					265
San Joaquin River at Rindge Pump	B9 D 759.8 125.1	37-59-51	121-25-06	01/65						366				265
San Joaquin River near San Andreas Landing	B9 D 805.9 135.2	38-05-53	121-35-13	03/74	302		331	353						265
San Joaquin River at Twitchell Island	B9 D 805.8 140.1	38-05-50	121-40-05	02/68	301		330	352						265
San Joaquin River near Vernalis	B0 7020.00	37-40-34	121-15-51	04/51	287	314	319	342	360					259
Sherman Lake near Antioch	B9 D 802.6 147.6	38-02-34	121-47-34	11/68	297		327	349						265
Squirrel Creek near Penn Valley	A6 1265.00	39-12-38	121-12-04	07/72	283			342		365	371			257
Stockton Diverting Canal at Stockton	B0 2580.00	37-58-53	121-14-54	08/69	286						374			259
Stockton Ship Channel at Burns Cutoff	B9 D 757.8 121.9	37-57-46	121-21-54	10/68							366	377		265
Stony Creek below Black Butte Dam	A3 1110.00	39-49-00	122-20-10	01/58	280	313		341						256
Stony Creek near Fruto	A3 1250.00	39-40-15	122-31-05	02/60	280	313		341	360					256
Susan River near Litchfield	G4 1590.01	40-22-45	120-23-35	11/68	307	316		356	362					257
Susan River at Susanville	G4 1600.00	40-25-05	120-40-15	04/51	308	316		356						257
Sutter BP State PP No. 1 near Nicolaus	A0 5910.00	38-56-00	121-38-06		276		318	339						258
Sutter BP State PP No. 2 near Tisdale	A0 5920.00	39-01-36	121-43-30		276		318	340						258
Sutter BP State PP No. 3 near Yuba City	A0 5925.00	39-07-18	121-46-48		276		318	340						256
Sycamore Slough near Mouth	B9 D 808.5 128.0	38-08-28	121-28-00	03/74	303		331	353						264
Taylor Creek near Camp Richardson (T-4)	G7 3571.01	38-55-50	120-03-13	07/68	310			357						259
Thermalito Afterbay Release to Feather River	A0 5975.00	39-27-24	121-38-09	10/69						364				256
Third Creek near Mouth (T-6)	G7 3230.01	39-14-26	119-56-46	08/71	309			357						259
Thomes Creek at Paskenta	A3 2120.00	39-52-55	122-33-05	10/58	281			342						256
Thomes Creek at Richfield	A0 3220.01	39-58-45	122-10-35	01/59	273									256
Trout Creek at South Lake Tahoe (T-9)	G7 3810.00	38-55-55	119-58-40		310			358						259
Truckee River at Farad	G7 1195.00	39-25-13	120-01-51	04/51	309									257
Turner Cut at McDonald Island Ferry	B9 D 758.8 128.5	37-58-47	121-28-27	03/74	294		324	347						265
Upper Truckee River near Mouth (T-1)	G7 3705.01	38-55-24	119-59-28	07/68	310			358						259
Wadsworth Canal near Sutter	A0 5927.00	39-07-42	121-45-12		276		318	340						256
Ward Creek near Mouth (T-5)	G7 3050.01	39-07-57	120-09-24	08/71	309			357						259
West Canal at Mouth of Intake to Clif Ct Fby	B9 D 749.8 133.2	37-49-50	121-33-09	03/73	291	314	322	345	361					265
West Walker River below Little Walker River	G9 2460.00	38-22-48	119-27-00	08/58	310									260
White Slough at Correia Ferry (Site)	B9 D 805.0 128.1	38-05-01	121-28-07	03-74	300		329	351						265
Yolo Bypass below Sacramento Bypass	A0 2905.00	38-35-06	121-35-00	04/72	269			318						258
Yuba River at Marysville	A0 6120.00	39-08-32	121-34-30	04/51	276									256









## MINERAL ANALYSES OF SURFACE WATER

Sampler and Lab Agency Codes

1904	-	California Department of Transportation, District 4 Lab.
2163	-	California Department of Water Resources for SWRCB
3207	-	California Department of Transportation
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
G.H.	-	Instantaneous gage height in feet above an established datum
Q	-	Instantaneous discharge in cubic feet per second
DEPTH	-	Depth in feet at which sample was collected
DO	-	Dissolved oxygen content in milligrams per liter
SAT	-	Percent of normal dissolved oxygen saturation
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
EC	-	Electrical conductance in micromhos at 25°C
TDS	-	Gravimetric determination of total dissolved solids at 180°C (Value followed by * is determination at 105°C)
SUM	-	Total dissolved solids by summation of analyzed constituents
TH	-	Total hardness
NCH	-	Noncarbonate hardness - any excess of total hardness over total alkalinity
TURB	-	Jackson Turbidity Units measured with a Hellige Turbidimeter (E) or a Hack Nephelometer (A) with (F) for field determination.
SAR	-	Sodium adsorption ratio

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage. For a partial analysis, an approximate value is determined by multiplying the electrical conductance by 0.01 and using that as the cation or anion sum.

Mineral Constituents

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CL	-	Chloride	NA	-	Sodium
CO3	-	Carbonate	NO3	-	Nitrate
F	-	Fluoride	SI02	-	Silica
HCO3	-	Bicarbonate	SO4	-	Sulfate

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER B F TDS TH TURB SI02 SUM NCH SAR				
						CA	MG	NA	K	CO3	MG3	SO4	CL	NO3	B	F	TDS SUM	TH NCH	TURB SAR	
A0 V 836.4 131.4 NATOMAS MAIN DRAIN TO SACRAMENTO RIVER																				
09/17/75	5:50		5.1	69	F 7.3	417	--	--	--	--	--	--	--	--	--					
0730	5:50		56	21	C	461	--	--	--	--	--	--	--	--	--					
A0 V 847.4 135.8 R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL																				
09/17/75	5:50		5.4	70	F 7.2	386	--	--	--	--	--	--	--	--	--					
0830	5:50		63	21	C	431	--	--	--	--	--	--	--	--	--					
A0 V 857.4 134.4 R-D 784 DRAIN TO FEATHER RIVER																				
09/17/75	5:50		6.1	69	F 7.0	135	--	--	--	--	--	--	--	--	--					
1030	5:50		67	21	C	150	--	--	--	--	--	--	--	--	--					
A0 2112.00 SACRAMENTO RIVER AT ELMHORN FERRY																				
10/16/74	5:50		8.7	61	F 7.3	95	--	--	--	--	--	--	--	--	8A					
0745	5:50	17700	88	16	C	99	--	--	--	--	--	--	--	--	--					
11/20/74	5:50		10.1	53	F 7.3	102	--	--	--	--	--	--	--	--	9A					
0430	5:50	21160	93	12	C	105	--	--	--	--	--	--	--	--	--					
12/18/74	5:50		10.7	49	F 7.3	107	--	--	--	--	--	--	--	--	5A					
0910	5:50	19800	93	9	C	120	--	--	--	--	--	--	--	--	--					
01/15/75	5:50		11.5	46	F 7.3	112	--	--	--	--	--	--	--	--	11A					
0815	5:50	10800	96	8	C	130	--	--	--	--	--	--	--	--	--					
02/19/75	5:50		10.3	47	F 7.2	134	--	--	--	--	--	--	--	--	30A					
0915	5:50	53100	88	8	C	149	--	--	--	--	--	--	--	--	--					
03/19/75	5:50		10.7	50	F 7.4	131	--	--	--	--	--	--	--	--	30A					
0730	5:50	41700	95	10	C	152	--	--	--	--	--	--	--	--	--					
04/16/75	5:50		10.1	54	F 7.4	116	--	--	--	--	--	--	--	--	14A					
0830	5:50	24600	93	12	C	132	--	--	--	--	--	--	--	--	--					
05/21/75	5:50		9.1	60	F 7.4	118	--	--	--	--	--	--	--	--	11A					
0730	5:50	30400	91	16	C	132	--	--	--	--	--	--	--	--	--					
06/18/75	5:50		8.4	66	F 7.4	106	--	--	--	--	--	--	--	--	7A					
0745	5:50	20000	90	19	C	111	--	--	--	--	--	--	--	--	--					
07/16/75	5:50		9.3	68	F 7.5	106	--	--	--	--	--	--	--	--	7A					
0800	5:50	10200	94	20	C	115	--	--	--	--	--	--	--	--	--					
08/20/75	5:50		8.3	68	F 7.4	134	--	--	--	--	--	--	--	--	8A					
0745	5:50	17800	91	20	C	141	--	--	--	--	--	--	--	--	--					
09/17/75	5:50		8.3	67	F 7.5	129	--	--	--	--	--	--	--	--	7A					
0800	5:50	19100	90	19	C	141	--	--	--	--	--	--	--	--	--					
A0 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END																				
10/16/74	5:50		10.66	61	F 7.4	117	10	6.1	7.1	.6	0	66	6.4	3.4	.8					
1000	5:50		97	16	C 7.8	128	.50	.50	.31	.02	.00	1.08	.13	.10	.01					
							38	38	23	2		82	10	8	1					
11/20/74	5:50		20.41	53.5F	7.4	123	11	6.0	8.6	1.5	0	68	8.4	2.4	.4					
1115	5:50		94	11.9C	8.0	139	.55	.49	.37	.04	.00	1.11	.17	.07	.01					
							38	34	26	3		82	13	5	1					
12/18/74	5:50		20.10	10.7	50	F 7.4	146	13	6.2	1.0	0	78	9.7	2.9	.8					
1115	5:50		10.5	10	C 7.6	162	.65	.51	.44	.03	.00	1.28	.20	.08	.01					
							40	31	27	2		82	13	5	1					
01/15/75	5:50		10.46	11.4	47	F 7.4	148	15	7.4	1.2	1.1	0	85	13	4.8	1.3				
1145	5:50		97	8	C 8.3	189	.75	.61	.52	.03	.00	1.39	.27	.14	.02					
							39	32	27	2		76	15	8	1					
02/19/75	5:50		11.4	47	F 7.3	142	13	6.7	7.6	1.0	0	73	11	4.3	1.0					
1100	5:50		93	0	C 7.9	146	.65	.55	.33	.03	.00	1.20	.23	.12	.02					
							42	35	21	2		76	15	8	1					
03/19/75	5:50		28.69	10.9	49	F 7.4	150	13	7.4	9.0	.8	0	75	13	3.4	.8				
0930	5:50		95	9	C 7.7	170	.65	.61	.39	.02	.00	1.23	.27	.10	.01					
							39	37	23	1		76	17	6	1					
04/16/75	5:50		23.15	9.9	55	F 7.4	140	9.9	8.6	8.2	.7	0	74	11	2.9	.7				
1000	5:50		93	13	C 7.7	158	.49	.71	.36	.02	.00	1.21	.23	.08	.01					
							31	45	23	1		79	15	5	1					
05/21/75	5:50		25.70	9.2	60.0F	7.4	135	11	8.1	4.6	1.6	0	67	11	5.2	.2				
0930	5:50		92	15.5C	7.3	151	.55	.67	.20	.04	.00	1.06	.23	.15	.00					
							38	46	14	3		74	16	10						
06/18/75	5:50		19.69	8.8	68.0F	7.4	135	11	6.2	6.2	.9	0	71	12	3.5	.4				
1015	5:50		94	20.0C	8.3	152	.55	.51	.36	.02	.00	1.16	.25	.10	.01					
							38	35	25	1		76	16	7	1					
07/16/75	5:50		17.40	8.4	69	F 7.5	177	13	8.4	12	.9	0	90	16	5.4	.4				
1045	5:50		94	21	C 8.1	193	.65	.69	.52	.02	.00	1.48	.23	.15	.01					
							35	37	28	1		75	17	8	1					

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	H	F	TDS SUM	TH NCH	TURB SAR	
AD 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END CONTINUED																				
08/20/75	5050	19.11	8.7	66.0F	7.6	180	14	8.9	16	1.0	0	97	16	7.2	.5	.10	--	142	73	22A
0930	5050		93	18.9C	8.0	223	.70	.73	.70	.03	.00	1.59	.33	.20	.01	--	111	0	0.8	
							32	34	32	1		75	15	9						
09/17/75	5050	19.43	8.1	71 F	7.4	218	15	10	18	1.4	0	104	17	9.6	--	.10	--	149	78	24A
1130	5050		91	22 C	7.8	240	.75	.82	.78	.04	.00	1.70	.35	.27		--	122	0	0.9	
							31	34	33	2		73	15	12						
AC 2195.01 SACRAMENTO RIVER BELOW KNIGHTS LANDING																				
10/23/74	5050		10.2	57.2F	7.4	135	--	--	7.7	--	0	84	--	2.6	--	.00	--	49	18A	
1400	5050	10700	99	14.0C	7.6	134			.33		.00	1.05		.07		--	--	0.5		
									25											
11/19/74	5050		10.7	53.6F	7.7	139	--	--	--	--	--	--	--	--	--	--	--		9AF	
1610		11800	99	12.0C																
12/18/74	5050		11.3	50.0F	7.6	153	--	--	--	--	--	--	--	--	--	--	--		10AF	
1510		12600	100	11.0C																
09/24/75	5050		9.0	69.8F	8.4	179	--	--	--	--	--	--	--	--	--	--	--		10AF	
1550		9570	100	21.0C																
AD 2230.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DAM																				
10/23/74	5050	21.30	9.9	55.4F	7.4	112	--	--	5.2	--	0	58	--	1.2	--	.00	--	44	14A	
1230	5050	10700E	94	13.0C	7.7	113			.23		.00	.95		.03				0.3		
									21											
11/19/74	5050	22.51	10.7	53.6F	7.7	125	--	--	--	--	--	--	--	--	--	--	--		8AF	
1350		11800E	99	12.0C																
12/18/74		22.63	11.4	50.0F	7.6	142	--	--	--	--	--	--	--	--	--	--	--			
1300		12600E	101	16.0C																
01/22/75	5050	20.12	11.0	48.2F	7.5	145	--	--	--	--	--	--	--	--	--	--	--		8AF	
1320		9040E	95	9.0C																
02/26/75	5050	29.02	11.4	49.1F	7.4	153	--	--	--	--	--	--	--	--	--	--	--		29AF	
1140		22600E	100	9.5C																
03/26/75	5050	37.25	11.1	50.9F	7.9	134	--	--	--	--	--	--	--	--	--	--	--		60AF	
1410		26900E	99	13.5C																
04/23/75	5050	22.51	9.9	59.0F	8.0		--	--	7.4	--	0	72	--	3.2	--	.00	--	58	14A	
1315	5050	12200E	98	15.0C	7.4	140			.32		.00	1.18		.09				0.4		
									22											
05/22/75	5050	20.61	9.6	60.8F	7.0	131	--	--	--	--	--	--	--	--	--	--	--		22AF	
1210		17200E	97	16.0C																
06/24/75	5050	21.03	8.8	60.2F	8.0	132	--	--	--	--	--	--	--	--	--	--	--		14AF	
1310		9750E	94	14.0C																
07/29/75	5050	19.84	8.5	70.7F	7.4	139	--	--	--	--	--	--	--	--	--	--	--		10AF	
1310		8250E	96	21.5C																
08/26/75	5050	21.24	8.5	68.0F	7.4	162	--	--	--	--	--	--	--	--	--	--	--		13AF	
1250		10200E	93	21.0C																
09/24/75	5050	20.29	8.6	68.0F	7.6	140	--	--	--	--	--	--	--	--	--	--	--		10AF	
1345		9570E	94	20.0C																
AD 2420.00 SACRAMENTO RIVER AT COLUSA																				
10/23/74	5050	44.98	10.9	59.0F	7.5	110	--	--	5.2	--	0	58	--	1.2	--	.00	--	43	22A	
1000	5050	10100	99	15.0C	7.7	112			.23		.00	.95		.03				0.3		
									21											
11/19/74	5050	46.26	11.1	53.6F	7.7	126	--	--	--	--	--	--	--	--	--	--	--		7AF	
1055		103		12.0C																
12/18/74	5050	46.61	11.1	50.0F	7.0	131	--	--	--	--	--	--	--	--	--	--	--		9AF	
1005		12100	98	16.0C																
01/22/75	5050	43.83	11.7	48.2F	7.4	133	--	--	--	--	--	--	--	--	--	--	--		8AF	
1045		8900	101	9.0C																
02/26/75	5050	53.41	10.3	50.0F	7.4	149	--	--	--	--	--	--	--	--	--	--	--		19AF	
0930		26900	91	10.0C																
03/26/75	5050	64.51	10.6	50.0F	7.4	120	--	--	--	--	--	--	--	--	--	--	--		160AF	
1210		39700	94	10.0C																
04/23/75	5050	48.13	9.9	56.5F	7.6	143	--	--	--	--	--	--	--	--	--	--	--		14AF	
1015		13900	93	12.5C																
05/22/75	5050	50.50	9.6	59.0F	7.8	119	--	--	--	--	--	--	--	--	--	--	--		16AF	
1010		17000	95	15.0C																

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	OO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	MG03	SO4	CL	NO3	B	F	TDS SUM	TH WCH	TURB SAR
*****																			
AN 2420.00 SACRAMENTO RIVER AT COLUSA										CONTINUED									
06/24/75 1000	5J50	46.02 10800	9.1 96	64.4F 18.0C	7.6	126	--	--	--	--	--	--	--	--	--	--	--	--	6AP
07/29/75 1015	5J50	44.67 9690	9.1 100	68.0F 20.0C	7.5	124	--	--	--	--	--	--	--	--	--	--	--	--	7AF
08/26/75 094N	5J50	45.16 9720	9.0 97	66.2F 19.0C	7.6	127	--	--	--	--	--	--	--	--	--	--	--	--	7AF
09/24/75 0850	5J50	44.03 8350	9.4 99	64.4F 18.0C	8.4	123	--	--	--	--	--	--	--	--	--	--	--	--	5AF
AO 2500.00 SACRAMENTO RIVER AT BUTTE CITY																			
11/19/74 0930	5J50	72.70 11500	11.7 107	52.7F 11.5C	7.7	128	--	--	--	--	--	--	--	--	--	--	--	--	7AF
01/22/75 0915	5J50	71.27 8170	10.7 93	48.2F 9.0C	7.3	133	--	--	--	--	--	--	--	--	--	--	--	--	5AF
03/26/75 0815	5J50 5J50	89.78 80600	10.9 94	48.2F 9.0C	7.3 7.7	118 116	--	--	6.2 .27 22	0 .00	58 .95	--	1.9 .05	--	.00	--	--	--	48 190A 0.4
05/22/75 084N	5J50	74.53 16500	9.9 96	57.2F 14.0C	8.0	119	--	--	--	--	--	--	--	--	--	--	--	--	10AF
07/29/75 0850	5J50	72.10 10100	9.0 94	63.5F 17.5C	7.4	123	--	--	--	--	--	--	--	--	--	--	--	--	5AF
09/24/75 0710	5J50	71.47 8610	9.8 101	62.6F 17.0C	7.5	123	--	--	--	--	--	--	--	--	--	--	--	--	AAF
AO 2630.00 SACRAMENTO RIVER AT HAMILTON CITY																			
11/15/74 134N	5J50	29.89 11670	11.9 110	53.6F 12.0C	7.1	123	--	--	--	--	--	--	--	--	--	--	--	--	7AF
01/08/75 1015	5J50	31.27 15890	10.4 94	48.2F 9.0C	7.6	153	--	--	--	--	--	--	--	--	--	--	--	--	24AF
03/20/75 1015	5J50 5J50	40.93 69540	10.3 90	49.1F 9.5C	7.8 7.6	106 105	--	--	5.0 .22 20	0 .00	53 .87	--	3.8 .11	--	.00	--	--	--	43 110A 0.3
05/02/75 0835	5J50	31.64 17210	10.9 101	53.6F 12.0C	8.1	126	--	--	--	--	--	--	--	--	--	--	--	--	11AF
07/02/75 0845	5J50	31.72 18030	10.4 97	57.2F 14.0C	7.6	114	--	--	--	--	--	--	--	--	--	--	--	--	5AF
09/22/75 1000	5J50	28.98 8570	9.6 99	62.6F 17.0C	8.4	116	--	--	--	--	--	--	--	--	--	--	--	--	4AF
AO 2785.00 SACRAMENTO RIVER AT BEND BRIDGE																			
11/14/74 084N	5J50	20.55 10950	11.0 100	51.0F 11.0C	7.2	120	--	--	--	--	--	--	--	--	--	--	--	--	5AF
01/15/75 0830	5J50	19.09 7800	11.6 99	46.4F 8.0C	8.2	142	--	--	--	--	--	--	--	--	--	--	--	--	AAF
03/05/75 0800	5J50	20.38 13950	10.7 93	48.2F 9.0C	7.4	133	--	--	--	--	--	--	--	--	--	--	--	--	6AF
05/21/75 1320	5J50 5J50	22.21 16400	10.8 101	53.6F 12.0C	7.4 7.9	114	--	--	5.6 .24 21	0 .00	56 .92	--	2.1 .06	--	.00	--	--	--	44 3A 0.4
07/22/75 0735	5J50	20.95 12400	10.0 94	54.5F 12.5C	7.1	115	--	--	--	--	--	--	--	--	--	--	--	--	3AF
09/11/75 0745	5J50	19.56 9100	9.4 90	55.4F 13.0C	7.7	107	--	--	--	--	--	--	--	--	--	--	--	--	3AF
AO 2905.00 YOLO BYPASS BELOW SACRAMENTO BYPASS																			
09/17/75	5J50	11.05	6.9 80	74 23	F C	7.8 632	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.M. 0 DEPTH	00 SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				TDS SUM	TM NCM	TURB SAR
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	P	SIO2			
*****																					
A0 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER																					
10/23/74 1200	5050 5050	590	8.0 83	63.5F 17.5C	7.6 8.0	245 245	--	--	14 .61 25	--	0 .00	128 2.10	--	11 .31	--	.00 --	--		93	12A 0.6	
01/22/75 1245	5050 5050	570	10.5 90	47.3F 8.5C	7.6 8.3	318 374	--	--	22 .96 25	--	0 .00	196 3.21	--	19 .54	--	1.90 --	--		146	34A 0.8	
04/23/75 1230	5050	1200	8.3 84	60.8F 16.0C	7.6	365	--	--	--	--	--	--	--	--	--	--	--			45AF	
06/24/75 1225	5050	1090	6.6 74	69.8F 21.0C	7.6	427	--	--	--	--	--	--	--	--	--	--	--			37AF	
07/29/75 1220	5050	980	6.0 73	77.9F 25.5C	7.6	486	--	--	--	--	--	--	--	--	--	--	--			9AF	
08/26/75 1125	5050	1240	6.0 71	75.2F 24.0C	7.4	475	--	--	--	--	--	--	--	--	--	--	--			113AF	
09/24/75 1310	5050	790	6.6 78	75.2F 24.0C	7.6	495	--	--	--	--	--	--	--	--	--	--	--			21AF	
A0 2926.00 R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH																					
11/19/74 1320	5050 5050		9.9 94	55.4F 13.0C	7.7 8.0	482 497	--	--	41 1.78 36	--	0 .00	187 3.06	--	51 1.44	--	.20 --	--		155	12A 1.4	
12/18/74 1230	5050 5050		10.6 94	50.0F 10.0C	8.1 8.2	732 826	--	--	74 3.22 38	--	0 .00	300 4.92	--	94 2.65	--	.20 --	--		263	17A 2.0	
A0 2933.00 R-D 108 DRAINAGE TO SACRAMENTO RIVER																					
10/23/74 1320	5050 5050	310	10.2 105	62.6F 17.0C	8.2 8.1	349 365	17 .85	14 1.15	34 1.48 24	1.5 .04 33	0 .00	134 2.20	38 .79	18 .51	2.1 .03	.10 1	--	209 191	101 0	29A 1.5	
11/19/74 1505	5050 5050	.0	7.3 68	53.6F 12.0C	8.4 8.5	968 1060	--	--	129 5.61 50	--	14 .47	343 5.62	--	73 2.06	--	.50 --	--		284	22A 3.3	
12/18/74 1410	5050	.0	8.8 77	49.1F 9.5C	8.1	869	--	--	--	--	--	--	--	--	--	--	--			23AF	
01/22/75 1425	5050 5050	460	7.4 64	48.2F 9.0C	8.0 8.4	913 1080	--	--	118 5.13 45	--	6.0 .20	349 5.72	--	88 2.48	--	.60 --	--		309	17A 2.9	
02/26/75 1235	5050	.0	7.7 75	58.1F 14.5C	7.8	934	--	--	--	--	--	--	--	--	--	--	--			16AF	
03/26/75 1525	5050 5050	.0	9.5 86	51.8F 11.0C	8.2 8.5	969 1020	--	--	110 5.13 47	--	12 .40	287 4.70	--	90 2.54	--	.50 --	--		292	44A 3.0	
04/23/75 1200	5050 5050	.0	11.4 115	60.8F 16.0C	8.4 8.3		--	--	94 4.09 49	--	0 .00	244 4.00	--	65 1.83	--	.30 --	--		217	21A 2.8	
05/22/75 1320	5050	440	5.7 64	69.8F 21.0C	8.1	493	--	--	--	--	--	--	--	--	--	--	--			84AF	
06/24/75 1415	5050	140	6.4 71	69.8F 21.0C	7.4	503	--	--	--	--	--	--	--	--	--	--	--			41AF	
07/29/75 1410	5050	160	5.8 70	77.0F 25.0C	7.3	533	--	--	--	--	--	--	--	--	--	--	--			23AF	
08/26/75 1350	5050	460	5.8 67	73.4F 23.0C	7.3	571	--	--	--	--	--	--	--	--	--	--	--			26AF	
09/24/75 1455	5050	.0	6.0 69	73.4F 23.0C	7.9	883	--	--	--	--	--	--	--	--	--	--	--			26AF	
A0 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																					
10/23/74 1300	5050	23.45 173	9.7 98	60.8F 16.0C	8.0	659	--	--	--	--	--	--	--	--	--	--	--			36AF	
11/19/74 1430	5050 5050	23.46	10.5 98	54.5F 12.5C	8.3 8.2	823 866	--	--	94 4.09 46	--	0 .00	285 4.67	--	49 1.38	--	.30 --	--		237	30A 2.7	
12/18/74 1335	5050 5050	23.52 88	10.9 96	50.0F 16.0C	8.2 8.1	990 1020	--	--	119 5.18 49	--	0 .00	302 4.95	--	63 1.78	--	.40 --	--		274	38A 3.1	
01/22/75 1355	5050	21.54	10.5 91	48.2F 9.0C	8.0	892	--	--	--	--	--	--	--	--	--	--	--			47AF	
02/26/75 1200	5050	361	10.3 95	53.6F 12.0C	8.0	1180	--	--	--	--	--	--	--	--	--	--	--			32AF	

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.H. 0 DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	0	P	TDS	TH	TURB
*****																			
40 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING										CONTINUED									
03/26/75	5U50		9.9	51.8F	8.1	707	--	--	88	--	0	204	--	45	--	.20	--	188	415A
1555	5U50	1170E	90	11.0C	8.3	721	--	--	3.83	--	.00	3.34		1.27	--	--	--	2.8	
									50										
04/23/75	5U50	23.88	8.7	60.8F	8.2		--	--	100	--	0	237	--	80	--	.30	--	238	100A
1045	5U50	24	88	16.0C	8.3	826	--	--	4.35	--	.00	3.88		1.69	--	--	--	2.8	
									48										
05/22/75	5U50	27.35	7.4	67.1F	8.0	568	--	--	--	--	--	--		--	--	--	--	55AF	
1250		750	80	19.5C															
07/29/75	5U50	24.52	6.5	80.6F	7.9	655	--	--	--	--	--	--		--	--	--	--	44AF	
1320		409	81	27.0C															
08/26/75	5U50	24.53	6.1	75.2F	7.8	620	--	--	--	--	--	--		--	--	--	--	80AF	
1325		1330	72	24.0C															
09/24/75	5U50	23.47	6.3	75.2F	7.8	646	--	--	88	--	0	253	--	35	--	.30	--	189	86A
1425	5U50	627	74	24.0C	8.2	639	--	--	2.96	--	.00	4.15		.99	--	--	--	2.2	
									44										
40 2950.00 R-0 787 DRAINAGE TO COLUSA BASIN DRAIN																			
11/09/74	5U50	19.00	3.0	55.4F	7.5	428	--	--	--	--	--	--		--	--	--	--	17AF	
1415			28	13.0C															
01/22/75	5U50		11.6	46.4F	8.2	685	--	--	82	--	0	345	--	38	--	.90	--	229	21A
1345	5U50	.0	98	8.0C	8.1	799	--	--	3.57	--	.00	5.05		1.07	--	--	--	2.4	
									44										
02/26/75	5U50		7.9	52.7F	7.3	429	--	--	29	--	0	196	--	18	--	.40	--	150	29A
1200	5U50		72	11.5C	8.0	424	--	--	1.28	--	.00	3.21		.45	--	--	--	1.0	
									30										
03/26/75	5U50		10.4	51.8F	8.2	635	--	--	82	--	10	233	--	37	--	.90	--	209	120A
1440	5U50		94	11.0C	8.5	639	--	--	2.70	--	.33	3.82		1.07	--	--	--	1.9	
									39										
04/23/75	5U50		9.2	60.8F	8.3		--	--	81	--	8.0	313	--	39	--	.90	--	240	18A
1025	5U50		93	16.0C	8.5	758	--	--	3.52	--	.27	5.13		1.10	--	--	--	2.3	
									42										
05/22/75	5U50		7.4	69.8F	8.4	583	--	--	47	--	0	231	--	24	--	.50	--	182	10A
1230	5U50		82	21.0C	8.2	552	--	--	2.04	--	.00	3.79		.68	--	--	--	1.5	
									38										
06/24/75	5U50		9.6	71.6F	7.9	475	--	--	42	--	0	213	--	22	--	.40	--	168	6A
1325	5U50		109	22.0C	7.9	492	--	--	1.83	--	.00	3.49		.62	--	--	--	1.4	
									35										
07/29/75	5U50		5.5	76.1F	7.4	558	--	--	--	--	--	--		--	--	--	--	14AF	
1315			65	24.5C															
08/26/75	5U50		5.6	71.6F	7.3	570	--	--	--	--	--	--		--	--	--	--	16AF	
1225			64	22.0C															
09/24/75	5U50		3.8	73.4F	7.6	653	--	--	--	--	--	--		--	--	--	--	28AF	
1410			44	23.0C															
40 2955.00 R-0 787 DRAINAGE TO SACRAMENTO RIVER																			
10/23/74	5U50	19.00	8.6	60.4F	7.6	618	34	30	52	2.7	0	260	88	28	1.8	.70	--	369	90A
1340	5U50		87	16.0C	7.9	632	1.70	2.47	2.26	.07	.00	4.26	1.42	.79	.03	--	345	0	1.4
							26	38	35	1		.66	.22	.12					
11/19/74	5U50	19.30	9.4	53.6F	8.1	428	--	--	30	--	0	206		20	--	.30	--	170	19A
1530	5U50		87	12.0C	8.3	459	--	--	1.31	--	.00	3.38		.56	--	--	--	1.0	
									28										
12/18/74	5U50	19.30	9.9	50.8F	7.8	361	--	--	24	--	0	198	--	13	--	.20	--	185	18A
1435	5U50		88	10.0C	8.2	401	--	--	1.04	--	.00	3.25		.37	--	--	--	0.8	
									24										
01/22/75	5U50	19.20	9.5	49.1F	7.9	579	--	--	43	--	0	303	--	34	--	.50	--	278	22A
1445	5U50	.0	83	9.5C	8.3	667	--	--	1.87	--	.00	4.97		.56	--	--	--	1.1	
									25										
02/26/75	5U50		9.1	55.4F	7.6	724	--	--	--	--	--	--		--	--	--	--	25AF	
1255			86	13.0C															
03/26/75	5U50		10.3	56.3F	8.1	880	--	--	51	--	6.0	154	--	33	--	.40	--	140	36A
1545	5U50		99	13.5C	8.4	889	--	--	2.22	--	.20	2.52		.93	--	--	--	1.9	
									44										
04/23/75	5U50		9.3	60.8F	8.0		--	--	53	--	0	288	--	34	--	.60	--	251	23A
1230	5U50		94	16.0C	8.3	870	--	--	2.31	--	.00	4.72		.96	--	--	--	1.3	
									32										
05/22/75	5U50		6.2	89.8F	7.4	497	--	--	--	--	--	--		--	--	--	--	53AF	
1345			69	21.0C															
08/24/75	5U50		6.7	69.8F	7.2	389	--	--	28	--	0	172	--	17	--	.20	--	144	35A
1445	5U50		75	21.0C	7.9	480	--	--	1.22	--	.00	2.82		.48	--	--	--	1.0	
									30										
07/29/75	5U50		6.4	77.0F	7.2	451	--	--	33	--	0	256	--	19	--	.20	--	133	35A
1430	5U50		77	25.0C	7.9	451	--	--	1.44	--	.00	4.20		.54	--	--	--	1.2	
									35										

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	PERCENT HCO3	REACTANCE 504 CL	VALUE NO3	8	F S102	TDS SUM	TH NCH
*****																	
A0 2955.00						R-D 787 DRAINAGE TO SACRAMENTO RIVER						CONTINUED					
08/26/75 1425	5J50		5.6 65	74.3F 23.5C	7.2	458	--	--	--	--	--	--	--	--	--	--	27AF
09/24/75 1525	5J50		6.5 77	75.2F 24.0C	7.8	696	--	--	--	--	--	--	--	--	--	--	45AF
A0 2965.00						R-D 70 DRAINAGE TO SACRAMENTO RIVER											
10/23/74 1110	5J50 5U50	34.00	6.8 69	60.8F 16.0C	8.2 8.2	980 1020	--	--	88 3.83 37	0 .00	401 6.57	-- 3.13	111 --	-- --	.30 --	-- --	329 5A 2.1
11/19/74 1225	5U50	37.00	8.8 83	55.4F 13.0C	8.1	552	--	--	--	--	--	--	--	--	--	--	15AF
12/18/74 1105	5J50 5U50	33.93	9.5 84	50.0F 10.0C	8.0 8.1	678 721	--	--	56 2.44 33	0 .00	272 4.46	-- 2.09	74 --	-- --	.20 --	-- --	249 9A 1.5
01/22/75 1145	5U50	34.20	9.4 81	48.2F 9.0C	8.1	844	--	--	--	--	--	--	--	--	--	--	24AF
02/26/75 1025	5U50		9.3 87	54.5F 12.5C	7.8	1091	--	--	--	--	--	--	--	--	--	--	26AF
03/26/75 1300	5050 5U50		10.3 91	50.0F 10.0C	7.5 8.5	953 956	--	--	71 3.09 29	12 .40	348 5.70	-- 3.21	114 --	-- --	.20 --	-- --	370 25A 1.8
04/23/75 1130	5050 5U50		8.7 86	59.0F 15.0C	8.0 8.3	540	--	--	37 1.61 29	0 .00	212 3.47	-- 1.49	53 --	-- --	.10 --	-- --	199 36A 1.1
05/22/75 1115	5U50		6.4 69	66.2F 14.0C	7.7	575	--	--	--	--	--	--	--	--	--	--	32AF
06/24/75 1140	5U50		6.0 60	70.7F 21.5C	7.5	558	--	--	--	--	--	--	--	--	--	--	27AF
07/29/75 1115	5U50		6.0 72	77.0F 25.0C	7.3	470	--	--	--	--	--	--	--	--	--	--	25AF
08/26/75 1040	5U50		5.6 65	73.4F 23.0C	7.4	545	--	--	--	--	--	--	--	--	--	--	18AF
09/24/75 1100	5U50		6.8 80	75.2F 24.0C	8.0	726	--	--	--	--	--	--	--	--	--	--	28AF
A0 2972.00						BUTTE SLOUGH NEAR MERTONIAN											
11/19/74 1125	5U50 5U50	43.50 508	8.4 80	55.4F 13.0C	7.1 7.8	181 189	--	--	12 .52 27	0 .00	101 1.66	-- --	5.2 .15	-- --	.10 --	-- --	71 16A 0.6
12/18/74 1040	5U50 5U50	43.67 607	10.0 86	48.2F 9.0C	8.4 7.8	230 256	--	--	18 .78 28	0 .00	135 2.21	-- --	8.7 .25	-- --	.10 --	-- --	99 26A 0.8
01/22/75 1115	5U50	41.19 349	10.8 91	46.4F 8.0C	7.4	253	--	--	--	--	--	--	--	--	--	--	21AF
02/26/75 1000	5U50	47.38 2010	8.6 79	52.7F 11.5C	7.3	233	--	--	--	--	--	--	--	--	--	--	62AF
03/26/75 1235	5U50 5U50	54.30 28200	10.8 96	50.0F 10.0C	7.5 7.9	131 127	--	--	6.4 .28 21	0 .00	63 1.03	-- --	2.9 .08	-- --	.00 --	-- --	52 130A 0.4
04/23/75 1045	5U50 5U50		8.1 80	59.0F 15.0C	7.4 8.1	216	--	--	12 .52 22	0 .00	118 1.93	-- --	5.4 .15	-- --	.00 --	-- --	92 31A 0.5
05/22/75 1045	5U50	46.48 1240	7.9 83	64.4F 16.0C	7.4	228	--	--	--	--	--	--	--	--	--	--	26AF
06/24/75 1050	5J50	42.63 372	6.1 71	73.4F 23.0C	7.6	309	--	--	--	--	--	--	--	--	--	--	23AF
07/29/75 1050	5J50	42.38 348	6.6 82	80.6F 27.0C	7.4	337	--	--	--	--	--	--	--	--	--	--	11AF
08/26/75 1010	5U50	43.01 438	5.5 65	75.2F 24.0C	7.2	333	--	--	--	--	--	--	--	--	--	--	10AF
09/24/75 0930	5J50	41.86 272	5.0 58	73.4F 23.0C	7.2	317	--	--	--	--	--	--	--	--	--	--	11AF



TABLE D-2 (CONTINUED)  
MINERAL ANALYSIS OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM
COLUSA BASIN GRAIN AT HIGHWAY 20																	
10/23/74 0915	5U50	38.53 220	8.9 84	55.4F 13.0C	7.8	584	--	--	--	--	--	--	--	--	--	--	294F
11/19/74 1025	5U50 5U50	37.91 122	10.2 93	52.7F 11.5C	8.1 8.4	827 846	--	--	90 3.92 45	6.0 20	294 4.02	--	48 1.35	--	.30	--	242 194 2.5
12/18/74 0940	5U50	36.47 228	9.7 84	48.2F 9.0C	8.1	915	--	--	--	--	--	--	--	--	--	--	224F
02/26/75 0845	5U50	38.71 206	9.2 83	51.8F 11.0C	8.0	1230	--	--	--	--	--	--	--	--	--	--	444F
03/26/75 1015	5U50	41.96 884	10.1 89	50.0F 10.0C	8.2	759	--	--	--	--	--	--	--	--	--	--	984F
04/23/75 0905	5U50 5U50	37.74 122	8.4 85	57.2F 14.0C	8.0 8.1	758	--	--	88 3.83 49	0 20	193 3.18	--	56 1.58	--	.20	--	196 224 2.7
05/22/75 0925	5U50	44.51 1390	7.3 78	66.2F 15.0C	7.8	560	--	--	--	--	--	--	--	--	--	--	434F
06/24/75 0905	5U50	41.49 663	6.9 75	60.0F 20.0C	7.8	544	--	--	--	--	--	--	--	--	--	--	254F
07/29/75 0930	5U50	41.88 756	6.4 75	75.2F 24.0C	7.4	541	--	--	--	--	--	--	--	--	--	--	184F
08/26/75 0835	5U50	44.30 1240	6.1 68	71.6F 22.0C	7.6	525	--	--	--	--	--	--	--	--	--	--	204F
09/24/75 0750	5U50 5U50	40.18 542	7.1 76	66.9F 20.5C	7.8 8.2	538 630	--	--	62 2.70 42	0 20	245 4.02	--	.34 1.46	--	.20	--	188 524 2.0
THOMES CREEK AT RICHFIELD																	
12/10/74 1400	5U50 5U50	10.7 60E	10.7 91	46.4F 8.0C	8.0 8.2	415 420	14 2.74 1.15 26	9.5 4.1 9	.9 20	0 00	168 2.75 04	60 1.25 29	8.6 24 6	1.7 2.03 1	.10	--	248 233 60 0.3
03/06/75 1320	5U50	10.1 500E	10.1 91	50.0F 10.0C	7.6	187	--	--	--	--	--	--	--	--	--	--	744F
06/16/75 1335	5U50	7.7 200E	7.7 94	82.4F 28.0C	7.8	195	--	--	--	--	--	--	--	--	--	--	54F
ELDER CREEK AT GERBER																	
12/16/74 1430	5U50 5U50	10.5 25E	10.5 91	48.2F 9.0C	8.1	499 498	39 1.95 2.06 39 42	21 9.1 18	.9 20	0 00	210 3.44 09	22 46 9	38 1.07 21	2.0 2.03 1	.00	--	260 251 29 0.6
03/06/75 1345	5U50	6.04 80E	10.2 95	53.0F 12.0C	8.0	243	--	--	--	--	--	--	--	--	--	--	64F
06/16/75 1315	5U50 5U50	9.1 40E	9.1 124	86.0F 30.0C	8.3 8.4	331 320	--	--	11 4.8 14	3.0 10	167 2.74	--	17 4.8	--	.00	--	149 0.4
RED BANK CREEK NEAR RED BLUFF																	
01/16/75 1515	5U50	4.00 2.8	13.0 119	51.8F 11.0C	8.4	541	--	--	--	--	--	--	--	--	--	--	14F
05/20/75 0820	5U50	4.04 4.5	9.7 97	54.0F 15.0C	7.8	510	--	--	--	--	--	--	--	--	--	--	14F
COTTONWOOD CREEK AT COTTONWOOD																	
10/11/74 1115	5U50 5U50	12.8 83	12.8 137	65.3F 18.5C	7.4 7.9	225 225	--	--	7.3 32 14	0 20	118 1.93	--	4.6 1.3	--	.00	--	97 0.3
11/14/74 1000	5U50	12.2 99	12.2 116	54.5F 12.5C	7.5	206	--	--	--	--	--	--	--	--	--	--	14F
12/05/74 0830	5U50	11.8 575	11.8 101	46.4F 8.0C	7.6	337	--	--	--	--	--	--	--	--	--	--	194F
01/15/75 1000	5U50	12.6 372	12.6 100	41.0F 5.0C	7.7	273	--	--	--	--	--	--	--	--	--	--	24F
02/06/75 1320	5U50 5U50	11.9 1640	11.9 99	44.0F 7.0C	7.3 7.3	170 174	12 30 35	6.6 54 32	9.0 39 23	0 20	61 1.00 0.0	15 19	8.9 25 15	6.0 10 6	.20	--	124 94 7 0.5
03/05/75 0930	5U50	10.2 1570	10.2 89	48.2F 9.0C	7.6	209	--	--	--	--	--	--	--	--	--	--	204F

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. W DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER						
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	PERCENT REACTANCE VALUE	8	F	TDS SUM	TH MCH	TURB SAR
CONTINUED																				
A0 3520.50 COTTONWOOD CREEK AT COTTONWOOD																				
04/21/75 0915	SJS0 SJS0	1200	10.5 101	55.4F 13.0C	7.9 8.1	225	--	--	7.6 .33 14	--	0 .00	116 1.90	--	4.2 .12	--	.00	--	--	100	2A 0.3
05/19/75 0905	SJS0 SJS0	1200	9.2 96	62.6F 17.0C	7.8	171	--	--	--	--	--	--	--	--	--	--	--	--	17AF	
06/17/75 0830	SJS0 SJS0	475	8.2 92	69.8F 21.0C	7.8	196	--	--	--	--	--	--	--	--	--	--	--	--	2AF	
07/22/75 0850	SJS0 SJS0	183	9.2 112	77.0F 25.0C	7.5	234	--	--	--	--	--	--	--	--	--	--	--	--	2AF	
08/20/75 0830	SJS0 SJS0	127	7.1 79	68.9F 20.5C	7.2	228	--	--	--	--	--	--	--	--	--	--	--	--	2AF	
09/11/75 0900	SJS0 SJS0	88	8.3 94	69.8F 21.0C	7.1	215	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
A0 3545.00 COTTONWOOD CREEK NORTH FORK NEAR IGO																				
11/14/74 1310	SJS0 SJS0	29.84 23	12.3 114	51.8F 11.0C	7.7 8.1	160 164	--	--	9.8 4.3 25	--	0 .00	87 1.43	--	8.9 .25	--	.00	--	--	63	0A 0.5
01/15/75 1230	SJS0 SJS0	29.14 93	13.7 106	39.2F 4.0C	7.7 7.9	143 142	--	--	7.1 .31 22	--	0 .00	62 1.02	--	4.6 .13	--	.10	--	--	55	0A 0.4
03/05/75 1045	SJS0 SJS0	30.64 312	10.7 92	46.4F 8.0C	7.6 7.7	103 101	--	--	4.4 .19 19	--	0 .00	49 .90	--	2.8 .08	--	.00	--	--	41	5A 0.3
05/19/75 1015	SJS0 SJS0	30.58 248	9.8 101	60.8F 16.0C	7.7 8.0	99 97	--	--	3.6 .16 17	--	0 .00	51 .84	--	.8 .02	--	.00	--	--	39	1A 0.3
07/22/75 0955	SJS0 SJS0	30.07 29	9.0 109	76.1F 24.5C	8.1 7.9	142 140	--	--	6.4 .28 21	--	0 .00	69 1.13	--	7.5 .21	--	.00	--	--	54	0A 0.4
09/11/75 1010	SJS0 SJS0	29.80 5.8	9.6 113	73.4F 23.0C	8.1 8.0	225 226	--	--	16 .70 31	--	0 .00	91 1.49	--	20 .56	--	.00	--	--	78	0A 0.6
A0 3581.00 COTTONWOOD CREEK MIDDLE FORK NEAR GAS POINT																				
11/14/74 1230	SJS0 SJS0	12.3 24	12.3 120	56.3F 13.5C	8.2 8.3	343 372	--	--	13 .57 15	--	0 .00	184 3.02	--	16 .45	--	.00	--	--	165	0A 0.4
01/15/75 1135	SJS0 SJS0	13.3 121	13.3 103	39.2F 4.0C	8.2 8.3	300 298	--	--	9.2 .40 12	--	0 .00	159 2.61	--	8.0 .23	--	.10	--	--	143	0A 0.3
03/05/75 1010	SJS0 SJS0	10.6 449	9.1 91	46.4F 8.0C	7.8 7.9	219 216	--	--	4.8 .21 9	--	0 .00	127 2.68	--	2.8 .08	--	.00	--	--	110	15A 0.2
05/19/75 0945	SJS0 SJS0	9.8 345	10.1 101	60.8F 16.0C	8.0 8.3	186 184	--	--	3.6 .16 8	--	0 .00	106 1.74	--	1.5 .04	--	.00	--	--	88	1A 0.2
07/22/75 0925	SJS0 SJS0	8.5 42	10.7 107	79.7F 26.5C	8.1	274	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
09/11/75 0940	SJS0 SJS0	8.0 18	10.4 104	72.5F 22.5C	8.0 8.4	323 318	--	--	12 .52 15	--	2.0 .07	169 2.77	--	14 .39	--	.00	--	--	150	0A 0.4
A0 3595.00 COTTONWOOD CREEK+ SOUTH FORK+ NEAR COTTONWOOD																				
11/14/74 1030	SJS0 SJS0	1.50 19	12.7 117	51.8F 11.0C	8.1	433	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
01/15/75 1030	SJS0 SJS0	1.44 119	13.0 103	41.0F 5.0C	8.4	294	--	--	--	--	--	--	--	--	--	--	--	--	3AF	
03/05/75 0850	SJS0 SJS0	2.95 442	10.5 90	46.4F 8.0C	7.6 7.8	195 193	--	--	7.2 .31 15	--	0 .00	96 1.57	--	6.6 .19	--	.10	--	--	86	50A 0.3
05/19/75 0825	SJS0 SJS0	3.35 582	10.1 98	57.2F 14.0C	7.8 8.0	147 146	--	--	4.6 .20 14	--	0 .00	74 1.21	--	2.8 .08	--	.10	--	--	62	32A 0.3
07/22/75 0820	SJS0 SJS0	1.39 40	8.5 102	75.2F 24.0C	7.9	277	--	--	--	--	--	--	--	--	--	--	--	--	1AF	
09/11/75 0825	SJS0 SJS0	1.05 3.5	8.6 97	69.8F 21.0C	7.9	307	--	--	--	--	--	--	--	--	--	--	--	--	1AF	

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE L-#	O.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER									
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		PERCENT REACTANCE VALUE	B	F	TDS SUM	TH MCM	TOURB SAR									
*****																														
A0 4321.01 DEER CREEK AT HIGHWAY 99E																														
10/11/74	5:50			11.7	64.4F	8.2	157	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF					
1130		131		124	16.0C																									
11/15/74	5:50			12.2	53.6F	7.7	154	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF					
1605		135		114	12.0C																									
12/10/74	5:50			11.6	44.6F	7.6	153	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF					
1325		140		96	7.0C																									
01/08/75	5:50			11.1	48.2F	7.6	116	--	--	7.3	--	0	62	--	3.4	--	.16	--	--	--	--	42	1A							
1400	5:50	472		96	9.0C	7.9	114			.32	--	.00	1.02		.10							0.5								
										28																				
02/11/75	5:50			11.3	50.0F	7.3	85	--	--	6.0	--	0	51	--	.5	--	.20	--	--	--	35	1A								
1330	5:50	650		100	10.0C	7.6	91			.26	--	.00	.84		.01						0.4									
										27																				
03/20/75	5:50			10.8	50.0F	7.7	72	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF									
1315	5:50	1450		96	10.0C																									
04/22/75	5:50			10.3	57.2F	7.8		--	--	5.0	--	0	52	--	1.9	--	.00	--	--	--	35	0A								
1245	5:50	512		100	14.0C	7.7	90			.22	--	.00	.85		.05						0.4									
										24																				
05/02/75	5:50			10.3	57.2F	7.7	76	--	--	3.8	--	0	43	--	.6	--	.00	--	--	--	32	0A								
1200	5:50	715		100	14.0C	7.7	76			.17	--	.00	.70		.02						0.3									
										21																				
06/16/75	5:50			9.5	77.0F	8.2	94	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF									
1240	5:50	333		115	25.0C																									
07/02/75	5:50			9.5	76.1F	8.2	120	--	--	7.7	--	0	67	--	3.8	--	.10	--	--	--	44	0A								
1300	5:50	282		114	24.5C	7.8	115			.33	--	.00	1.10		.11						0.5									
										27																				
08/19/75	5:50			11.3	75.2F	8.2	105	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF									
1300	5:50	100		134	24.0C																									
09/19/75	5:50			13.5	80.6F	8.1	207	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF									
1320	5:50	142		169	27.0C																									
A0 4420.50 MILL CREEK NEAR MOUTH NEAR LOS MOLINOS																														
11/15/74	5:50			12.2		8.1	201	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF									
1625	5:50	140																												
01/08/75	5:50			11.4	46.4F	7.4	138	--	--	--	--	--	--	--	--	--	--	--	--	--	11AF									
1430	5:50	449		97	8.0C																									
03/20/75	5:50			11.2	46.4F	7.4	86	6.6	3.0	5.8	.7	0	38	3.6	3.4	.1	.10	--	67	29	5A									
1345	5:50	950		96	8.0C	7.8	87	.33	.25	.25	.02	.00	.62	.07	.10	.00		42	0	0.5										
								39	29	29	2		78	9	13															
05/02/75	5:50			13.2	57.2F	7.6		--	--	7.6	--	0	41	--	7.9	--	.20	--	33	1A										
1210	5:50	445		100	14.0C	7.7	112			.33	--	.00	.67		.22				0.6											
										33																				
07/02/75	5:50			9.9	66.2F	7.8	119	--	--	--	--	--	--	--	--	--	--	--	--	--	2AF									
1330	5:50	313		166	19.0C																									
09/19/75	5:50			11.3	75.2F	8.2	192	--	--	--	--	--	--	--	--	--	--	--	--	--	1AF									
1340	5:50	127		135	24.0C																									
A0 5163.00 FEATHER RIVER AT NICOLAUS																														
10/16/74	5:50			25.74	9.6	60	F 7.3	--	--	--	--	--	--	--	--	--	--	--	--	--	6A									
0840	5:50	8410		46	18	C																								
11/20/74	5:50			25.16	10.9	53	F 7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	6A									
1015	5:50	9140		100	12	C																								
12/18/74	5:50			23.87	11.5	47	F 7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	2A									
1000	5:50	6550		98	8	C																								
01/15/75	5:50			23.20	11.9	46	F 7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	4A									
1000	5:50	5400		100	8	C																								
02/19/75	5:50			31.58	10.2	48	F 7.1	--	--	--	--	--	--	--	--	--	--	--	--	--	11A									
0950	5:50	5050		88	9	C																								
03/19/75	5:50			28.14	10.7	52	F 7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	64	12A								
0800	5:50	5880		97	11	C									.5															
															.01															
04/16/75	5:50			23.83	10.9	52	F 7.3	--	--	--	--	--	--	--	--	--	--	--	--	--	9A									
0900	5:50	5930.4		99	11	C																								
05/21/75	5:50			26.33	9.4	59	F 7.3	--	--	--	--	--	--	--	--	--	--	--	--	--	5A									
0915	5:50	7550.4		93	15	C																								

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	PERCENT REACTANCE	50% CL	VALVE NO3	B	F	TDS SUM	TH NCH	TURB SA
CONTINUED																			
AN 5103.00 FEATHER RIVER AT NICOLAUS						CONTINUED													
06/18/75 0900	5/50 5/50	24.57 8120	9.2 97	65.0F 18.3C	7.2 63	63 63	--	--	--	--	--	--	--	.1 .00	--	--	47	15A	
07/16/75 0900	5/50 5/50	24.09 7310	9.4 103	68 F 20 C	7.3 67	67 72	--	--	--	--	--	--	--	--	--	--	--	4A	
08/20/75 0815	5/50 5/50	24.04 6890	8.6 95	61 F 21 C	7.4 60	71 60	--	--	--	--	--	--	--	--	--	--	--	2A	
09/17/75 0900	5/50 5/50	24.17 7130	8.8 94	66 F 19 C	7.3 7R	74 7R	--	--	--	--	--	--	--	.0 .00	--	--	58	3A	
AN 5660.00 JACK SLOUGH AT MARYSVILLE																			
09/18/75 1030	5/50 5/50		7.7 84	68 F 20 C	7.2 117	108 117	--	--	--	--	--	--	--	--	--	--	68		
AD 5910.00 SUTTER HP STATE PP NO 1 NR NICOLAUS																			
02/27/75 1045	5/50 5/50	6.4 64	58.1F 14.5C	7.3 8.2	70 1180	63 3,49	82 5,18	1.9 3,57	0 .05	0 .00	376 6,39	14 52	9.2 4.91	2.4 .13	.10	--	354 629	268 114	21A 1.7
05/25/75 1000	5/50 5/50	7.2 77	68.0F 20.0C	7.4 8.0	458 453	35 1.75	18 1,48	31 3.25	.6 .02	0 .00	186 3.05	18 66	4.2 1.18	2.1 .03	.10	--	258 238	162 9	22A 9.1
07/30/75 0945	5/50 5/50	6.2 72	73.4F 23.0C	7.4 7.6	218 220	--	--	12 .52	--	0 .00	108 1.77	--	8.9 .25	--	.00	--	--	86 0.6	
08/27/75 0900	5/50 5/50	6.7 72	66.2F 19.0C	7.2 8.1	466 427	--	--	28 1.22	--	0 .00	2.8 3.41	--	.31 .87	--	.10	--	--	161 104	1.0 1.0
09/24/75 1215	5/50 5/50	6.4 74	73.4F 23.0C	7.8 8.2	574	--	--	37 1.61	--	0 .00	243 3.98	--	55 1.55	--	.10	--	208	21A 1.1	
AN 5920.00 SUTTER HP STATE PP NO 2 NR TIDALE																			
02/27/75 1110	5/50 5/50	6.7 70	59.0F 15.0C	7.8 8.3	45 584	38 2,45	13 3,13	3 1.44	0 .05	0 .00	376 6.16	14 29	9.2 .26	2.4 .04	.10	--	354 328	268 0	21A 0.9
05/25/75 1030	5/50 5/50	5.5 64	68.0F 20.0C	7.4 8.0	345 364	28 1,40	21 1,73	17 .07	0 .02	0 .00	217 3.56	12 25	2.7 .08	2.2 .04	.10	--	218 190	156 0	13A 0.6
07/30/75 1010	5/50 5/50	5.6 64	71.6F 22.0C	7.3 8.1	389 390	--	--	18 .78	--	0 .00	243 3.98	--	3.5 .10	--	.00	--	--	174 0.6	0.6
08/27/75 1040	5/50 5/50	6.8 64	66.2F 19.0C	7.2 8.2	397 363	--	--	19 .83	--	0 .00	2.8 3.74	--	3.0 .08	--	.00	--	--	161 94	0.7
09/24/75 1145	5/50 5/50	7.1 81	71.6F 22.0C	7.8 8.3	499	--	--	27 1.17	--	0 .00	318 5.21	--	6.4 .18	--	.00	--	224	11A 0.8	
AD 5925.00 SUTTER HP STATE PP NO 3 NR YUBA CITY																			
02/27/75 1245	5/50 5/50	5.7 59	62.6F 17.0C	7.6 8.3	707	43 2,15	53 3,54	3 2,31	1.9 .05	0 .00	397 6.44	36 75	32 .90	2.0 .03	.10	--	436 401	283 0	10A 1.4
05/25/75 1120	5/50 5/50	6.6 76	72.5F 22.5C	7.4 8.2	548 554	37 1,85	31 2,55	41 1.78	.7 .02	0 .00	319 5.23	27 65	11 .56	2.6 .04	.10	--	343 307	223 0	19A 1.2
07/30/75 1110	5/50 5/50	5.1 60	75.2F 24.0C	7.5 8.2	481 681	--	--	30 1.31	--	0 .00	283 4.04	--	1.0 .03	--	.10	--	--	197 0.9	0.9
08/27/75 1110	5/50 5/50	6.3 67	69.8F 21.0C	7.6 8.4	742 674	--	--	52 2.26	--	0 .00	405 6.64	--	17 .48	--	.10	--	--	280 104	1.4
09/24/75 1020	5/50 5/50	5.5 62	71.6F 22.0C	7.6 8.5	800	--	--	59 2.57	--	0 .00	381 6.24	--	59 1.66	--	.10	--	--	314	13A 1.4
AD 5927.00 WADSWORTH CANAL NR SUTTER																			
09/24/75 0955	5/50 5/50	38.09 6.8	69.8F 21.0C	7.4 8.0	20 248	14 1,00	12 1,15	1.4 1.52	0 .05	0 .00	143 2.34	6.4 13	9.4 27	1.5 0.2	.00	--	147 136	109 0	7A 0.5
AN 6120.00 YUBA RIVER AT MARYSVILLE																			
10/08/74 0930	5/50 5/50	8.1 87	66 F 16 C	7.2 99	10 58	4.6 38	3.0 13	--	0 .00	50 .62	--	.1 .00	--	--	--	--	52 3	4A 0.2	1A 0.2
12/05/74 1400	5/50 5/50	12.7 107	46.5F 8.0C	7.2 7.5	64 68	7.4 44	3.5 38	2.6 11	--	0 .00	36 .59	--	.0 .00	--	--	--	55 4	33 0.2	0A 0.2
03/06/75 0850	5/50 5/50	11.4 80	48 F 9 C	7.2 7.4	74 78	8.8 44	3.2 26	2.6 11	--	0 .00	.62 .69	--	.8 .02	--	--	--	70 35	6A 1	0A 0.4

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER L#	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
						Ca	Mg	Na	K	CO3	PERCENT REACTANCE VALUE			B	F	TD5 SUM	TH NCH	TURB SAR	
											HCO3	SO4	CL						
AD 6120.00 YUBA RIVER AT MARYSVILLE CONTINUED																			
06/02/75	5050		9.7	61	F 7.2	60	--	--	2.2	--	--	--	--	--	--	--	--	--	50
1045	5050		98	16	C 7.4	64	--	--	.10	--	--	--	--	--	--	--	--	--	
09/18/75	5050		9.1	62	F 7.2	67	8.2	2.1	1.9	--	0	38	--	1.0	--	--	--	45	29 0A
1045	5050		95	17	C 7.4	69	4.1	.17	.08	--	.62	--	.03	--	--	--	--	0	0.2
AD 6550.00 BEAR RIVER NEAR WHEATLAND																			
10/08/74	5050		4.18	8.0	67 F 7.3	120	10	6.8	4.4	--	0	54	--	3.8	--	--	--	65	53 0A
0845	5050		12	87	19 C 7.7	126	.50	.56	.19	--	.00	.09	--	.11	--	--	--	9	0.3
							40	45	15										
12/05/74	5050		4.29	12.1	56 F 7.8	96	8.4	4.9	4.3	--	0	43	--	3.1	--	--	--	67	41 0A
1330	5050		18	116	13 C 7.9	100	.42	.40	.19	--	.00	.70	--	.09	--	--	--	6	0.3
							42	40	19										
01/08/75	5050		6.65	11.0	51 F 7.2	71	6.9	4.6	3.4	--	0	30	--	3.2	--	--	--	54	36 50A
1430	5050		99	11	C 7.6	73	.34	.38	.15	--	.00	.49	--	.09	--	--	--	12	0.2
							39	44	17										
02/06/75	5050		6.83	11.5	46 F 7.2	72	7.0	3.0	3.2	--	0	33	--	3.2	--	--	--	66	30 4A
0945	5050		946	99	4 C 7.4	75	.35	.25	.14	--	.00	.54	--	.09	--	--	--	3	0.3
							47	34	19										
03/06/75	5050		5.42	10.4	53 F 7.3	90	--	--	--	--	--	--	--	--	--	--	--	--	
0800			168	95	12 C														
04/02/75	5050		6.96	11.2	51.5F 7.3	82	7.5	3.7	3.5	--	0	37	--	2.7	--	--	--	38	34 11A
1030	5050		942	101	10.0C 7.4	84	.37	.30	.15	--	.00	.61	--	.08	--	--	--	3	0.3
							45	37	18										
05/05/75	5050		6.22	10.3	63 F 7.4	84	5.6	5.6	3.5	--	0	38	--	3.4	--	--	--	59	37 1A
1200	5050		510	107	17 C 7.5	85	.28	.46	.15	--	.00	.62	--	.10	--	--	--	6	0.3
							31	52	17										
06/02/75	5050		5.01	8.6	74 F 7.4	85	--	--	--	--	0	37	--	--	--	--	--	64	36
1200	5050		84	100	23 C 7.5	89	--	--	.17	--	.00	.61	--	--	--	--	--		0.3
									19										
08/01/75	5050		4.48	9.9	82.0F 7.6	127	--	--	5.0	--	0	64	--	--	--	--	--	88	69
1130	5050		41	125	27.8C 7.7	143	--	--	.22	--	.00	1.05	--	--	--	--	--		0.3
									14										
09/18/75	5050		4.49	7.7	72 F 7.3	103	9.9	5.2	4.2	--	0	45	--	4.2	--	--	--	62	46 0A
0845	5050		17	88	22 C 7.4	112	.49	.43	.18	--	.00	.74	--	.12	--	--	--	9	0.3
							45	39	16										
AD 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT																			
10/09/74	5050		9.2	63	F 7.7	46	--	--	--	--	--	--	--	--	--	--	--	--	
1340			354R	95	17 C														
11/14/74	5050		9.6	61	F 7.1	51	--	--	--	--	--	--	--	--	--	--	--	--	
1420			1923	97	16 C														
12/05/74	5050		9.7	54.5F	7.0	50	--	--	--	--	--	--	--	--	--	--	--	--	
0950			2400	91	12.5C														
01/21/75	5050		11.6	49	F 7.1	56	--	--	--	--	--	--	--	--	--	--	--	--	
1430			1614	101	9 C														
02/04/75	2163		10.7	46	F 7.0	57	--	--	--	--	--	--	--	--	--	--	--	--	144
1020	5050		1836	92	9 C 7.4	61	--	--	--	--	--	--	--	--	--	--	--	--	
02/18/75	2163		11.3	47	F 7.1	51	--	--	--	--	--	--	--	--	--	--	--	--	34
1030	5050		96	6	C 7.5	53	--	--	--	--	--	--	--	--	--	--	--	--	
03/04/75	2163		11.0	49	F 7.1	60	--	--	--	--	--	--	--	--	--	--	--	--	54
0900	5050		4306	94	9 C 7.5	61	--	--	--	--	--	--	--	--	--	--	--	--	
03/18/75	5050		10.9	49	F 7.1	62	--	--	--	--	--	--	--	--	--	--	--	--	44
0830	5050		6028	95	9 C 7.7	66	--	--	--	--	--	--	--	--	--	--	--	--	
04/08/75	2163		10.9	48.5F	7.2	62	--	--	--	--	--	--	--	--	--	--	--	--	84
0845	5050		8403	94	9.2C 7.6	66	--	--	--	--	--	--	--	--	--	--	--	--	
04/22/75	2163		10.8	51.5F	7.1	66	6.8	2.2	2.6	.6	0	29	3.4	1.4	.4	--	--	45	26 4A
0815	5050		4594	97	10.8C 7.4	68	.34	.18	.11	.02	.00	.48	.07	.04	.01	--	--	43	2 0.2
							52	28	17	3		80	12	7	2				
05/06/75	2163		10.3	54.0F	7.2	69	--	--	--	--	--	--	--	--	--	--	--	--	34
0910	5050		4718	96	12.2C 7.5	68	--	--	--	--	--	--	--	--	--	--	--	--	
05/20/75	2163		10.4	54.0F	7.2	59	--	--	--	--	--	--	--	--	--	--	--	--	34
0850	5050		4590	97	12.2C 7.5	62	--	--	--	--	--	--	--	--	--	--	--	--	
06/10/75	2163		10.1	61.0F	7.1	52	--	--	--	--	--	--	--	--	--	--	--	--	24
0914	5050		4619	102	16.1C 7.3	50	--	--	--	--	--	--	--	--	--	--	--	--	

MINERAL ANALYSES OF SURFACE WATER

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TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. D DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER								
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS	TH	TURB SAR										
*****																													
A1 1020.00 PIT RIVER NEAR MONTGOMERY CREEK CONTINUED																													
07/16/75 1630	5:50n	4230	7.9 8R	66.2F 19.0C	8.0 135	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	135AF
09/17/75 1015	5:50n	7750	9.3 97	60.8F 16.0C	7.8 139	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	139AF
A1 1690.00 PIT RIVER NEAR CANBY																													
10/08/74 1530	5:50n	2,53 53	10.0 115	59.0F 15.0C	8.2 293	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32AF
11/07/74 0810	5:50n	2,72 103	11.1 100	41.0F 5.0C	7.9 303	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	114AF
12/10/74 0745	5:50n	2,69 95	11.4 95	35.6F 2.0C	8.1 236	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11AF
01/14/75 0830	5:50n	2,74 108	11.0 87	32.0F 0.0C	7.4 308	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10AF
02/18/75 1630	5:50n	279	11.0 90	34.7F 1.5C	7.6 268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35AF
03/19/75 1320	5:50n 5:50n	3,52 485	10.1 96	44.6F 7.0C	7.7 182 7.8 192	--	--	15 +05 33	--	0 +00	97 1.59	--	5.7 .16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67	50A 0.8
04/15/75 1700	5:50n	3,69 1190	9.8 96	46.4F 8.0C	7.6 148	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78AF
05/06/75 1400	5:50n 5:50n	4,31 836	10.3 103	48.2F 9.0C	7.6 145	--	--	9.5 +41 28	--	0 +00	77 1.26	--	2.4 .07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	53	26A 0.0
06/03/75 1630	5:50n	4,20 770	7.0 92	70.7F 21.5C	7.6 141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22AF
07/16/75 0825	5:50n	2,61 75	7.2 91	68.0F 20.0C	8.2 215	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
08/07/75 0650	5:50n	2,55 62	6.3 74	60.8F 16.0C	7.9 252	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15AF
09/17/75 0710	5:50n	2,77 117	7.3 84	59.0F 15.0C	8.0 243	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19AF
A1 4400.00 PIT RIVER, SOUTH FORK, NEAR LIKELY																													
10/09/74 0730	5:50n	1,58 25	9.8 97	46.4F 8.0C	7.9 104	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
06/04/75 0800	5:50n	4,54 634	8.9 99	55.4F 13.0C	7.6 77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
A2 1010.00 SACRAMENTO RIVER AT KESWICK																													
10/11/74 1010	5:50n	10.7 48	51.8F 11.0C	7.3 96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6AF
11/14/74 1450	5:50n	9.9 93	53.6F 12.0C	7.0 115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4AF
12/05/74 0920	5:50n	10.1 93	51.8F 11.0C	7.0 120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6AF
01/15/75 1330	5:50n	11.3 99	48.2F 9.0C	7.2 124	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5AF
02/06/75 1145	5:50n	12.2 104	46.4F 8.0C	7.2 114	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
03/05/75 1130	5:50n	10.7 93	47.3F 8.5C	7.2 113	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4AF
04/21/75 1100	5:50n 5:50n	11.0 10000	50.9F 10.5C	7.1 100	--	--	5.0 .22 22	--	0 +00	50 .82	--	1.4 .04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	38	4A 0.4
05/19/75 1200	5:50n	10.3 95	51.8F 11.0C	7.4 108	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5AF
06/17/75 0925	5:50n	10.2 94	51.8F 11.0C	7.4 102	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF
07/22/75 1045	5:50n	10.2 12000	53.6F 12.0C	7.2 108	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3AF



TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER EQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	R	F	TD5 SUM	TM NCH	TURB 5AR	
*****																					
A2 1010.00 SACRAMENTO RIVER AT KESWICK CONTINUED																					
08/20/75	5:50	12000	91	9.7 12.0C	53.6F	7.1	102	--	--	--	--	--	--	--	--	--	--	--	3AF		
1045																					
09/11/75	5:50	8600	91	9.4 13.5C	56.3F	7.1	96	--	--	3.8 .17 18	0 .00	52 .85	--	.5 .01	--	.00	--	--	40 1A 0.3		
1125	5:50																				
A2 1300.00 SACRAMENTO RIVER AT DELTA																					
11/08/74	5:50	499	12.5 402	12.5 9.0C	48.2F	7.5	120	--	--	--	--	--	--	--	--	--	--	--	8AF		
1350																					
01/14/75	5:50	5.20 480	12.2 99	41.0F 5.0C	7.6	130	--	--	--	--	--	--	--	--	--	--	--	--	1AF		
03/19/75	5:50	10.13 0800	11.9 101	44.8F 7.0C	7.2 7.1	84 84	--	--	2.5 .11 16	0 .00	33 .54	--	3.8 .11	--	.00	--	--	29 30A 0.2			
05/05/75	5:50	7.37 0844	11.4 2280	44.8F 7.0C	7.4	83	--	--	--	--	--	--	--	--	--	--	--	--	2AF		
07/17/75	5:50	5.02 488	8.8 103	76.7F 21.5C	6.1	115	--	--	--	--	--	--	--	--	--	--	--	--	1AF		
09/17/75	5:50	4.37 252	9.8 111	68.0F 20.0C	8.2	141	--	--	--	--	--	--	--	--	--	--	--	--	1AF		
1326																					
A2 2150.00 MCCLOUD RIVER ABOVE SHASTA LAKE																					
11/07/74	5:50	381	12.4 111	48.2F 9.0C	7.3	102	--	--	--	--	--	--	--	--	--	--	--	--	1AF		
1350																					
01/14/75	5:50	326	12.1 98	41.0F 5.0C	6.2	112	--	--	--	--	--	--	--	--	--	--	--	--	1AF		
03/19/75	5:50																				
05/05/75	5:50	1190	11.1 97	46.4F 8.0C	7.4	92	--	--	--	--	--	--	--	--	--	--	--	--	2AF		
07/22/75	5:50	327	9.0 102	68.0F 20.0C	7.9	111	--	--	--	--	--	--	--	--	--	--	--	--	1AF		
09/17/75	5:50	281	10.1 106	61.7F 16.5C	8.2	111	--	--	--	--	--	--	--	--	--	--	--	--	1AF		
1215																					
A3 1110.00 STONY CREEK BELOW BLACK BUTTE DAM																					
11/15/74	5:50	2.33 29	13.6 134	58.1F 14.5C	8.3	398	--	--	--	--	--	--	--	--	--	--	--	--	113AF		
01/16/75	5:50	2.42 35	14.5 124	46.4F 8.0C	8.4 8.4	347 386	--	--	16 .70 17	--	2.0 .07	176 2.88	--	20 .58	--	.20	--	--	171 18A 0.5		
03/06/75	5:50	5.35 1030	11.3 99	48.2F 9.0C	7.9	279	--	--	--	--	--	--	--	--	--	--	--	--	62AF		
05/20/75	5:50	4.94 670	10.4 110	60.8F 16.0C	8.0 8.3	250	--	--	9.0 .39 15	--	0 .00	118 1.93	--	8.0 .23	--	.10	--	--	107 6A 0.4		
07/23/75	5:50	4.64 526	9.0 109	77.0F 25.0C	7.6	269	--	--	--	--	--	--	--	--	--	--	--	--	33AF		
09/19/75	5:50	3.26 138	8.7 106	77.0F 25.0C	8.0	320	--	--	--	--	--	--	--	--	--	--	--	--	56AF		
1205																					
A3 1250.00 STONY CREEK NEAR FRUITO																					
10/11/74	5:50	72	9.8 102	61.7F 16.5C	8.2	395	--	--	--	--	--	--	--	--	--	--	--	--	54AF		
0945																					
11/15/74	5:50	10	11.9 117	57.2F 14.0C	8.1 8.2	662 700	75 3.74	22 1.81	30 1.31	1.7 0.04	0 .00	172 2.82	102 7.12	65 1.83	.3 .00	.10	--	436 280 181 137	4A 0.8		
12/10/74	5:50	36	11.0 92	44.8F 7.0C	8.0 8.2	679 683	--	--	34 1.48 21	--	0 .00	176 2.88	--	58 1.84	--	.10	--	--	275 1A 0.9		
01/16/75	5:50	103	12.6 106	44.8F 7.0C	7.9	307	--	--	--	--	--	--	--	--	--	--	--	--	7AF		
02/11/75	5:50	883	12.4 104	44.8F 7.0C	8.1	296	--	--	--	--	--	--	--	--	--	--	--	--	53AF		
1056																					
03/06/75	5:50	1080	10.9 96	48.2F 9.0C	7.9	214 212	--	--	9.8 .43 20	--	0 .00	92 1.51	--	12 .34	--	.10	--	--	88 80A 0.5		

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LMB	G.M. O DEPTH	OD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SD4	CL	NO3	8	F	TDS SUM	TH MCM	TURB SAR
*****																			
A3 1250.00			STONY CREEK NEAR FRUTO										CONTINUED						
04/22/75 1100	5U50		10.2 98	55.4F 13.0C	8.3 8.4	238	--	--	10 44 18	--	2.0 07	149	--	8.1 23	--	.10	--	101	5A 0.4
05/20/75 1035	5J50		10.0 94	53.6F 12.0C	7.9	198	--	--	--	--	--	--	--	--	--	--	--	174F	
06/16/75 1035	5U50		8.0 94	73.4F 23.0C	8.2	231	--	--	--	--	--	--	--	--	--	--	--	114F	
07/23/75 1045	5U50		8.1 101	74.8F 26.0C	8.1	272	--	--	--	--	--	--	--	--	--	--	--	354F	
08/19/75 1100	5J50		8.3 97	72.5F 22.5C	8.2	302	--	--	--	--	--	--	--	--	--	--	--	524F	
09/19/75 1125	5J50		9.1 107	73.4F 23.0C	8.2	333	--	--	--	--	--	--	--	--	--	--	--	484F	
A3 1302.00			GRINSTONE CREEK NEAR ELK CREEK																
11/15/74 1135	5J50		11.3 115	59.9F 15.5C	8.1	562	--	--	--	--	--	--	--	--	--	--	--	14F	
01/16/75 1215	5J50		12.5 106	45.5F 7.5C	7.7	230	--	--	--	--	--	--	--	--	--	--	--	84F	
03/06/75 1000	5J50 5U50		10.8 93	46.4F 8.0C	7.8 8.0	156 155	--	--	5.0 22 13	--	0 00	69 1.13	--	4.7 13	--	.10	--	71 0.3	120A
05/20/75 1025	5J50 5U50		10.4 96	51.8F 11.0C	7.6 7.9	132 131	--	--	3.6 16 13	--	0 00	58 95	--	1.5 04	--	.00	--	56 0.2	18A
07/23/75 1025	5U50		8.8 113	81.5F 27.5C	8.2	305	--	--	--	--	--	--	--	--	--	--	--	14F	
09/19/75 1105	5U50		9.0 108	75.2F 24.0C	8.1	414	--	--	--	--	--	--	--	--	--	--	--	14F	
A3 2120.00			THOMES CREEK AT PASKENTA																
10/11/74 0830	5J50		1.94 649	9.0 100	59.0F 15.0C	8.0	447	--	--	--	--	--	--	--	--	--	--	14F	
11/15/74 1000	5J50 5U50		2.75 14	12.5 11.6	51.8F 11.0C	8.3 8.3	408 463	--	--	16 70 15	--	0 00	170 2.79	--	23 65	--	.10	--	203 0.5
12/10/74 1000	5U50		2.53 56	11.6 94	41.9F 5.5C	8.2	338	--	--	--	--	--	--	--	--	--	--	14F	
01/16/75 1010	5U50		3.01 137	12.1 97	41.0F 5.0C	7.9	190	--	--	--	--	--	--	--	--	--	--	84F	
02/11/75 0940	5U50		3.96 526	12.4 103	43.7F 6.5C	7.7	194	--	--	--	--	--	--	--	--	--	--	644F	
03/06/75 0900	5J50 5U50		4.47 943	11.1 95	46.4F 8.0C	7.6 7.9	141 140	--	--	3.5 15 10	--	0 00	72 1.18	--	2.4 07	--	.10	--	65 0.2
04/22/75 1010	5J50		4.20 527	10.9 96	40.2F 9.0C	7.8	156	--	--	--	--	--	--	--	--	--	--	274F	
05/20/75 0920	5J50 5U50		4.58 876	11.1 98	40.2F 9.0C	7.7 7.8	96 96	--	--	2.1 09 9	--	0 00	49 80	--	.60 00	--	.00	--	46 0.1
06/16/75 0925	5U50		3.33 264	8.4 96	69.8F 21.0C	8.4	131	--	--	--	--	--	--	--	--	--	--	64F	
07/23/75 0935	5U50		2.32 31	9.2 117	80.6F 27.0C	8.4	267	--	--	--	--	--	--	--	--	--	--	04F	
08/19/75 1010	5J50		2.15 15	9.2 108	72.5F 22.5C	8.3	308	--	--	--	--	--	--	--	--	--	--	14F	
09/19/75	5U50		2.60	9.9	75.2F 24.0C	8.1	342	--	--	--	--	--	--	--	--	--	--	04F	

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TO5 SUM	TH NCH	TURB SAR	
*****																				
A3 3110.00 ELOER CREEK NEAR PASKENTA																				
03/06/75	5050		10.9	48.2F	7.9	214	--	--	9.8	--	0	42	--	12	--	.10	--		88	804
1020	5050	1060	96	9.0C	7.9	212	--	--	.43	--	.00	1.51	--	.34	--	--	--			0.5
									20											
04/22/75	5050	2,28	10.6	56.9F	8.0	238	--	--	7.2	--	0	134	--	6.2	--	.00	--		113	04
0925	5050	180	97	16.5C	8.2	239	--	--	.31	--	.00	2.20	--	.17	--	--	--			0.3
									12											
09/19/75	5050	1.14	8.9	69.8F	8.1	707	--	--	--	--	--	--	--	--	--	--	--			14F
0950		3.8	102	21.0C																
A3 6130.00 CLEAR CREEK NEAR IGO																				
04/21/75	5050	2.67	10.5	51.8F	7.6	72	--	--	--	--	--	--	--	--	--	--	--			34F
1010		98	97	11.0C																
09/11/75	5050	2.35	9.9	62.6F	7.5	82	--	--	--	--	--	--	--	--	--	--	--			14F
1025		.45	104	17.0C																
A4 1110.00 RUTTE CREEK NEAR CHICO																				
11/15/74	5050	1.11	13.2	49.1F	7.3	114	--	--	--	--	--	--	--	--	--	--	--			14F
1425		142	116	9.5C																
01/08/75	5050	2.47	11.4	44.6F	7.3	87	--	--	--	--	--	--	--	--	--	--	--			164F
1120		769	95	7.0C																
03/20/75	5050	3.76	11.2	48.2F	7.4	64	--	--	--	--	--	--	--	--	--	--	--			54F
1205		1900	98	9.0C																
05/02/75	5050	2.47	10.9	51.8F	7.8		--	--	2.5	--	0	37	--	.3	--	.00	--		28	04
1030	5050	752	103	11.0C	7.5	65			.11	--	.00	.61	--	.01	--	--	--			0.2
									16											
07/02/75	5050	1.57	10.3	57.2F	7.6	81	--	--	--	--	--	--	--	--	--	--	--			14F
0930		290	101	14.0C																
09/22/75	5050	1.42	10.1	64.4F	8.0	108	--	--	--	--	--	--	--	--	--	--	--			14F
1130		1.45	106	16.0C																
A4 2110.00 BIG CHICO CREEK NEAR CHICO																				
11/15/74	5050	1.65	9.4	51.8F	6.4	218	--	--	--	--	--	--	--	--	--	--	--			04F
1300		32	86	11.0C																
01/13/75	5050	2.42	12.2	42.8F	7.6	158	--	--	--	--	--	--	--	--	--	--	--			14F
0830		66	99	6.0C																
03/20/75	5050	5.56	11.2	49.1F	7.4	64	--	--	2.2	--	0	35	--	1.4	--	.00	--		29	144
1115	5050	1450	99	9.5C	7.5	63			.10	--	.00	.57	--	.04	--	--	--			0.2
									15											
05/02/75	5050	2.77	10.7	54.5F	7.8		--	--	4.2	--	0	52	--	2.6	--	.00	--		37	04
0945	5050	205	101	12.5C	7.8	95			.18	--	.00	.85	--	.07	--	--	--			0.3
									20											
07/02/75	5050		9.3	66.2F	8.2	178	--	--	--	--	--	--	--	--	--	--	--			14F
1030		37	101	19.0C																
09/22/75	5050	1.45	9.5	70.7F	8.2	208	--	--	--	--	--	--	--	--	--	--	--			04F
1045		24	108	21.5C																
A4 5110.50 ANTELOPE CREEK NEAR RED BLUFF																				
10/11/74	5050		10.4	64.4F	8.1	146	--	--	--	--	--	--	--	--	--	--	--			14F
1215		54	111	16.0C																
02/11/75	5050		12.1	48.2F	7.3	80	6.0	4.4	5.4	.8	0	46	2.0	1.5	.1	.21	--	77	33	44
1400	5050	336	106	9.0C	7.6	79	.30	.36	.23	.02	.00	.75	.04	.04	.00	--	--	43	0	0.4
							.33	.40	.25	.2		.40	.5	.5						
A4 6050.01 PAYNES CREEK NEAR RED BLUFF																				
10/09/74	5050		9.8	64.4F	7.6	192	--	--	12	--	0	45	--	9.2	--	.20	--		68	14
1400	5050	30E	105	16.0C	8.0	202			.52	--	.00	1.56	--	.26	--	--	--			0.6
									28											
03/20/75	5050		10.2	51.9F	7.4	84	--	--	--	--	--	--	--	--	--	--	--			94F
1415		408E	93	11.5C																
07/02/75	5050		9.5	68.0F	7.4	171	--	--	11	--	0	87	--	8.0	--	.20	--		63	74
1400	5050	50E	106	26.0C	7.8	185			.48	--	.00	1.43	--	.23	--	--	--			0.6
									28											
A4 7110.00 BATTLE CREEK NEAR COTTONWOOD																				
10/11/74	5050	1.78	11.6	54.5F	7.8	143	--	--	--	--	--	--	--	--	--	--	--			14F
1140		390	116	12.5C																
02/06/75	5050	2.31	12.2	45.5F	7.3	101	--	--	7.0	--	0	62	--	1.1	--	.20	--		42	44
1245	5050	676	103	7.5C	7.6	106			.30	--	.00	1.02	--	.03	--	--	--			0.5
									26											

MINERAL ANALYSES OF SURFACE WATER

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TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	MCO3	SO4	CL	NO3		8	F	TDS	TH	TURB					
*****																									
48 1120.00 CACHE CREEK NEAR CAPAY																									
10/22/74	5:50		2.30	10.6	60	F	8.1	539	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1015		61	107	16	17	C																			
11/07/74	5:50	1.93	9.2	58	F	7.9	677	44	34	50	--	0	285	--	70	--	1.80	--	--	251	14				
0920	5:50	18	90	14	C	8.3	721	2.20	2.82	2.18		.00	4.67		1.97	--	--	--	18	1.4					
12/30/74	5:50	2.32	11.0	44	F	8.1	997	46	52	100	--	6.0	3.62	--	145	--	3.10	--	604	332	104				
0940	5:50	75	90	7	C	8.4	1000	2.30	4.34	4.35		.20	4.95		4.09	--	--	--	75	2.4					
01/14/75	5:50	2.11	12.2	49	F	8.1	961	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1115		44	107	9	C																				
02/03/75	5:50	3.95		43	F		481	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030		594		6	C																				
03/03/75	5:50	2.95	9.8	54	F	8.2	704	36	38	52	--	0	285	--	71	--	1.90	--	430	250	74				
1000	5:50	191	92	12	C	8.3	713	1.80	3.20	2.26		.00	4.67		2.00	--	--	--	17	1.4					
03/18/75	5:50	8.82	10.7	51	F	8.1	252	19	16	16	--	0	144	--	12	--	.80	--	140	117	510A				
1100	5:50	5100	96	11	C	8.1	290	.95	1.39	.70		.00	2.36		.34	--	--	--	0	0.6					
04/01/75	5:50	7.43	10.4	52	F	8.0	285	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000		3460	95	11	C																				
05/14/75	5:50	3.94	9.1	67	F	8.0	354	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0930		609	99	19	C																				
06/12/75	5:50	4.08	8.8	75.0F	8.1	275	--	--	15	--	0	156	--	--	--	--	--	--	171	129	354				
1000	5:50	681	104	23.9C	8.1	298			.65		.00	2.56													
07/17/75	5:50	3.63	8.2	75	F	8.2	282	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0900		463	97	24	C																				
08/07/75	5:50	3.74	7.9	72	F	8.0	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0815		515	91	22	C																				
09/11/75	5:50	3.21	8.4	78	F	8.3	312	25	18	18	1.8	0	172	10	16	.9	1.10	--	187	134	54				
1430	5:50	2.1	103	26	C	7.8	343	1.25	1.48	.78	.05	.00	2.82	.21	.45	.01	--	--	175	0	0.7				
09/25/75	5:50	2.84	7.8	69	F	8.0	369	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0830		87	21	C																					
48 1250.00 HEAR CREEK NEAR RUMSEY																									
10/04/74	5:50	1.15	10.2	69.8F	8.3	3540	--	--	570	--	50	754	--	745	--	12.0	--	--	540	14					
1140	5:50	2.0	117	21.0C	8.6	3570			24.80		1.67	12.38		21.01	--	--	--	--		10.7					
11/15/74	5:50	1.10	11.1	53.6F	8.4	4180	--	--	--	--	--	--	--	--	--	--	--	--	--	14F					
1530		2.0	106	12.8C																					
12/05/74	5:50	1.65	11.7	48.2F	8.3	2560	--	--	340	--	25	588	--	433	--	9.20	--	--	506	74					
1220	5:50	.18	98	9.0C	8.5	2470			14.79		.83	9.51		12.21	--	--	--	--		6.6					
01/09/75	5:50	1.72	12.6	42.6F	8.4	2820	--	--	--	--	--	--	--	--	--	--	--	--	--	34F					
1345		.43	104	6.0C																					
02/21/75	5:50	2.08	12.1	45.5F	8.4	1056	--	--	--	--	--	--	--	--	--	--	--	--	--	34F					
1215		.57	104	7.5C																					
03/13/75	5:50	2.22	10.2	49.1F	8.2	1190	--	--	--	--	--	--	--	--	--	--	--	--	--	34F					
1340		.74	92	9.5C																					
04/17/75	5:50	2.00	10.6	53.5F	8.2		--	--	134	--	35	482	--	156	--	5.30	--	--	448	14					
1110	5:50	.47	101	12.0C	8.7	1300			5.83		1.17	7.90		4.40	--	--	--	--		2.8					
05/15/75	5:50	1.64	8.8	75.2F	8.4	1880	--	--	--	--	--	--	--	--	--	--	--	--	--	14F					
1330		.18	107	24.0C																					
06/12/75	5:50	1.28	8.5	77.0F	8.3	2550	--	--	--	--	--	--	--	--	--	--	--	--	--	24F					
1050		.43	105	25.0C																					
07/30/75	5:50	1.17	9.2	82.4F	8.4	2850	--	--	--	--	--	--	--	--	--	--	--	--	--	24F					
1300		.23	120	28.8C																					
08/14/75	5:50	0.42	9.8	82.4F	8.4	3170	--	--	--	--	--	--	--	--	--	--	--	--	--	24F					
1245		.14	128	28.0C																					
09/05/75	5:50	1.09	10.2	75.2F	8.3	3200	--	--	502	--	70	691	--	668	--	19.0	--	--	508	04					
1140	5:50	1.3	124	24.0C	8.7	3220			21.84		2.33	11.33		18.84	--	--	--	--		9.7					

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.P.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS
*****																	
AB		1350.00 CACHE CREEK NEAR LOWER LAKE															
10/04/74 0950	SUSO	1.78 92	8.4 98	69.8F 21.0C	7.6	264	--	--	--	--	--	--	--	--	--	--	0.6F
11/15/74 1400	SUSO	0.58 16	8.1 81	56.3F 13.5C	7.6	284	--	--	--	--	--	--	--	--	--	--	2.6F
12/05/74 1050	SUSO	0.52 7.0	9.4 87	56.0F 16.0C	7.6	296	--	--	--	--	--	--	--	--	--	--	4.6F
01/09/75 1115	SUSO	0.34 2.8	12.2 107	42.8F 6.0C	8.1	294	--	--	--	--	--	--	--	--	--	--	5.6F
02/21/75 1030	SUSO SUSO	0.48 7.0	9.9 86	45.5F 7.5C	7.3 7.6	199 199	--	--	11 .48 23	--	0 .00 1.43	87 1.19	--	79 364 0.5	--	--	
04/17/75 0910	SUSO SUSO	3.67 513	10.8 97	53.6F 12.0C	8.3 8.1	273	--	--	6.8 .30 12	--	0 .00 2.29	140 1.21	--	112 134 0.3	--	--	
05/15/75 1200	SUSO	3.92 615	8.6 96	86.2F 19.0C	8.0	247	--	--	--	--	--	--	--	--	--	--	11.6F
06/12/75 0920	SUSO	3.88 593	7.4 94	78.8F 26.0C	8.0	251	--	--	--	--	--	--	--	--	--	--	10.6F
07/10/75 1105	SUSO	3.75 550	8.1 101	77.0F 25.0C	8.0	243	--	--	--	--	--	--	--	--	--	--	10.6F
08/14/75 1015	SUSO	3.74 550	7.4 94	78.8F 26.0C	8.1	258	--	--	--	--	--	--	--	--	--	--	5.6F
09/05/75 1015	SUSO	2.85 288	7.4 91	75.2F 24.0C	7.7	256	--	--	--	--	--	--	--	--	--	--	7.6F
AB		2050.00 CACHE CREEK, NORTH FORK, NEAR LOWER LAKE															
10/04/74 1035	SUSO	0.43 3.3	10.0 115	69.8F 21.0C	8.2	642	--	--	--	--	--	--	--	--	--	--	1.6F
11/15/74 1445	SUSO	0.58 4.1	13.0 136	66.6F 16.0C	8.4	603	--	--	--	--	--	--	--	--	--	--	1.6F
12/05/74 1135	SUSO SUSO	0.78 12	10.8 94	49.1F 9.5C	8.0 8.2	626 638	--	--	36 1.57 24	--	0 .00 4.31	203 1.41	--	246 124 1.0	--	--	
01/09/75 1300	SUSO	0.98 29	12.9 110	44.8F 7.0C	8.1	418	--	--	--	--	--	--	--	--	--	--	10.6F
02/21/75 1125	SUSO	2.02 159	11.2 96	45.5F 7.5C	7.7	203	--	--	--	--	--	--	--	--	--	--	8.5AF
03/13/75 1255	SUSO	1.71 120	10.3 92	46.2F 9.0C	7.8	243	--	--	--	--	--	--	--	--	--	--	5.5AF
04/17/75 1020	SUSO SUSO	1.09 36	12.3 118	53.6F 12.0C	8.2 8.3	325	--	--	16 .70 20	--	0 .00 1.07	65 1.34	--	139 0.6	--	--	
05/15/75 1245	SUSO	0.73 13	10.2 121	72.5F 22.5C	8.2	380	--	--	--	--	--	--	--	--	--	--	1.6F
06/12/75 1005	SUSO SUSO	1.62 94	10.6 111	66.8F 16.0C	8.2 7.6	245 237	17 36	13 45	10 .44 18	.9 .02 1	0 .00 1.95	119 1.16 82	7 11	152 118	96 0 4.6F	--	
07/10/75 1215	SUSO	0.48 2.0	9.9 127	80.6F 27.0C	8.4 8.3	326 323	--	--	18 .78 23	--	0 .00 2.66	162 1.51	--	128 0.7	--	--	
08/14/75 1115	SUSO SUSO	1.42 1.6	9.7 124	79.7F 26.5C	8.2 8.2	352 354	--	--	22 .96 26	--	0 .00 2.79	170 1.62	--	136 0.8	--	--	
09/05/75 1100	SUSO SUSO	1.37 1.0	9.8 119	75.2F 24.0C	8.2 8.4	359 364	--	--	24 1.04 27	--	1.0 .03 2.84	173 1.68	--	140 0.9	--	--	
49		1250.00 PUTAM CREEK NEAR WINTERS															
10/22/74 1200	SUSO	0.34 284	11.4 107	54 F 12 C	7.9	294	--	--	--	--	--	--	--	--	--	--	
12/30/74 1050	SUSO SUSO	5.23 55	10.9 98	51 F 11 C	8.0 8.4	304 336	16 22	27 63	12 .52 14	--	2.0 .07 2.72	166 1.19	--	194 15	24 0.4	--	
03/03/75 1215	SUSO SUSO	4.83 50	11.6 107	53 F 12 C	8.0 8.3	343 327	20 26	26 60	12 .52 14	--	0 .00 3.05	166 1.28	--	222 14	166 0.4	--	

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. O DEPTH	QD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER								
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TDS SUM	TH NCM	TURB 5AR				
																				*****			
A9		1250.00		PUTAH CREEK NEAR WINTERS										CONTINUED									
06/12/75	5:50	8.07	12.2	54.0	F 8.2	287	--	--	8.2	--	0	172	--	--	--	--	--	181	150	4A			
1330	5:50	733	114	12.2C	8.2	304	--	--	.36	--	.00	2.82	--	--	--	--	--			0.3			
09/11/75	5:50	7.42	11.6	56	F 8.2	281	16	26	8.6	--	0	172	--	5.3	--	--	--	170	147	0A			
1315	5:50	540	111	13	C 8.0	310	.80	2.14	.37	--	.00	2.82	--	.15	--	--	--	6	0.3				
A9		1377.00		CAPELL CREEK AT HWY 121 NEAR MOSKOWITE CORNER																			
12/05/74	3:07	11.4	46	F 7.4	435	--	--	--	--	--	--	--	--	--	--	--	--			1A			
1100	1:04	.5	99	8	C																		
A9		1385.00		CAPELL CREEK AT CIRCLE OAKS																			
12/04/74	3:07	10.7	48	F 7.5	525	--	--	--	--	--	--	--	--	--	--	--	--			1A			
1230	1:04	.5	95	9	C																		
01/09/75	3:07	11.3	45	F 7.5	490	21	24	--	--	0	68	56	15	--	--	--	--	153*	154	11A			
1230	1:04	1.0	96	7	C 7.5		1.05	2.02		.00	1.11	1.17	.44	--	--	--	--	98					
80		2105.00		HOKELUMNE RIVER AT WOODBRIDGE																			
10/21/74	5:50	7.88	9.9	60	F 7.1	44	--	--	--	--	--	--	--	--	--	--	--						
1330		481	99	16	C																		
11/12/74	5:50	6.45	10.0	59	F 7.1	42	--	--	--	--	--	--	--	--	--	--	--						
1310		432	99	15	C																		
12/04/74	5:50	5.06	9.9	57	F 7.0	41	--	--	--	--	--	--	--	--	--	--	--						
1450		206	96	14	C																		
01/16/75	5:50	4.20	11.9	48	F 7.1	43	--	--	--	--	--	--	--	--	--	--	--						
1530		87	102	9	C																		
02/05/75	5:50	3.89	11.6	50	F 7.1	46	--	--	--	--	--	--	--	--	--	--	--						
1400		49	103	10	C																		
03/20/75	5:50	8.41	11.1	50	F 7.1	41	4.1	1.2	2.3	--	0	19	--	1.9	--	--	--	25	15	1A			
1015	5:50	791	98	10	C 7.1	43	.20	.10	.10	.00	.31							0	0.3				
04/21/75	5:50	10.96	10.7	53.5	F 7.2	47	--	--	--	--	--	--	--	--	--	--	--						
1230		1230	99	11.9C																			
05/01/75	5:50	9.87	9.8	55	F 7.2	47	--	--	--	--	--	--	--	--	--	--	--						
1420		1740	92	13	C																		
05/15/75	5:50	7.84	9.8	59	F 7.2	46	--	--	--	--	--	--	--	--	--	--	--						
1300		679	97	15	C																		
06/09/75	5:50	8.41	9.5	64	F 7.2	47	--	--	--	--	--	--	--	--	--	--	--						
1300		744	99	18	C																		
07/09/75	5:50	6.34	9.6	67	F 7.2	47	--	--	--	--	--	--	--	--	--	--	--						
1415		415	104	19	C																		
08/08/75	5:50	5.96	9.1	67	F 7.2	47	--	--	--	--	--	--	--	--	--	--	--						
1145		353	98	19	C																		
09/12/75	5:50	7.24	9.5	62	F 7.3	47	4.5	1.4	2.6	--	0	22	--	2.7	--	--	--	29	17	0A			
1430	5:50	555	97	17	C 7.2	48	.22	.12	.11	.00	.36							0	0.3				
80		2580.00		STOCKTON DIVERTING CANAL AT STOCKTON																			
10/21/74	5:50	2.88			252	--	--	--	--	--	--	--	--	--	--	--	--						
1230		.0																					
11/12/74	5:50	6.73	10.5	66	F 7.6	170	20	7.3	5.4	--	0	92	--	2.1	--	--	--	80	14				
1210	5:50	539	112	19	C 8.0	187	1.00	.50	.23	.00	1.51							5	0.3				
12/04/74	5:50	7.13	10.1	56	F 7.6	177	--	--	--	--	--	--	--	--	--	--	--						
1400		569	96	13	C																		
01/16/75	5:50	3.31		47	F	209	--	--	--	--	--	--	--	--	--	--	--						
1500		6.1	8	C																			
02/21/75	5:50	4.38	11.4	49	F 7.7	189	--	--	--	--	--	--	--	--	--	--	--						
1350		56	99	9	C																		
03/27/75	5:50	11.74	10.6	51	F 7.6	170	19	7.9	6.2	--	0	92	--	9.4	--	--	--	102	80	25A			
1345	5:50	5573	95	11	C 7.9	186	.95	.65	.27	.00	1.51							5	0.3				
04/21/75	5:50	3.01	8.8	66	F 7.9	206	--	--	--	--	--	--	--	--	--	--	--						
1140		2.0	94	19	C																		



TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TDS SUM	TH NCH	TURB SAR		
HO		2500.00		STOCKTON DIVERTING CANAL AT STOCKTON										CONTINUED							
05/15/75 1100	5050	3.67 18	8.5 97	72 22	F C	0.0	189	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/75 1215	5050 5050	3.15 4.6	9.0 114	83.0F 28.3C	8.2 7.4	183 191	--	--	5.9 -28 13	--	0 .00	93 1.52	--	--	--	--	130	88	0.3	--	--
07/09/75 1330	5050	3.02 2.2	10.5 132	82 28	F C	0.3	195	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/24/75 1200	5050	3.04 2.6	9.6 124	85 29	F C	0.6	194	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/25/75 1230	5050	3.21 5.7	13.4 169	82 28	F C	9.1	189	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/19/75 1300	5050 5050	3.05 2.4	11.4 137	77 25	F C	8.1 0.3	199 212	17 42	8.9 .73 36	10 .44 22	--	0 .00	101 1.06	--	5.9 .17	--	--	146	79 0	3A 0.5	--
HO		7620.00		SAN JOAQUIN RIVER NEAR VERNALIS																	
10/02/74 1035	5001 5050	6.9 74	66 19	F C	7.6	345	--	--	--	--	0 .00	78 1.28	--	47 1.33	--	--	207	--	14AF	--	--
10/16/74 1030	5001 5050	12.37 2760	7.3 78	66 19	F C	7.6	500	--	--	--	0 .00	106 1.74	--	80 2.26	--	--	272	--	24AF	--	--
10/17/74 0800	5050 5050	12.75 73	7.0 10	64 18	F C	7.2 7.7	400 505	22 1.10	12 1.06	54 2.35	--	0 .00	103 1.69	36 38	69 1.95	--	10	274 245	108 24	2.3	--
11/06/74 1425	5001 5050	14.49 4500	8.7 84	57 14	F C	7.3	330	--	--	--	0 .00	68 1.11	--	43 1.21	--	--	194	--	16AF	--	--
11/18/74 1320	5001 5050	13.57 3670	8.9 88	59 15	F C	7.3	440	--	--	--	0 .00	76 1.25	--	56 1.58	--	--	239	--	10AF	--	--
11/21/74 0900	5050 5050	13.35 8.8	55.4F 13.0C	7.3 7.7	310 458	21 1.05	10 .89	53 2.31	--	0 .00	68 1.44	44 .92	61 1.72	2.7 .04	--	20	248 236	97 25	2.3	--	--
12/17/74 1300	5001 5050	14.62 4510	10.1 93	54 12	F C	7.6	375	--	--	--	0 .00	68 1.11	--	53 1.49	--	--	240	--	9AF	--	--
12/19/74 0900	5050 5050	12.67 77	50.0F 10.0C	7.2 8.1	358 525	22 1.10	12 1.06	58 2.52	--	0 .00	67 1.43	65 1.35	67 1.89	--	46	--	292 268	108 37	2.4	--	--
01/21/75 1600	5001 5050	12.56 2750	9.8 87	56 16	F C	7.5	645	--	--	--	0 .00	99 1.62	--	106 2.99	--	--	176	--	8AF	--	--
02/03/75 1450	5001 5050	13.27 3325	9.9 90	52 11	F C	633	--	--	--	--	--	--	--	95 2.68	--	--	176	--	16AF	--	--
03/18/75 1115	5001 5050	16.38 6420	4.7 92	55 13	F C	7.6	408	--	--	--	0 .00	78 1.28	--	49 1.38	--	--	239	--	22AF	--	--
04/01/75 1240	5001 5050	16.40 6440	9.7 92	55 13	F C	7.6	398	--	--	--	0 .00	76 1.25	--	50 1.41	--	--	250	--	25AF	--	--
04/18/75 1410	5001 5050	13.22 3380	9.4 93	54 15	F C	7.4	633	--	--	--	0 .00	110 1.80	--	80 2.26	--	--	339	--	26AF	--	--
05/01/75 1335	5001 5050	12.14 2510	8.9 95	66 14	F C	7.8	702	--	--	--	0 .00	125 2.05	--	121 3.41	--	--	472	--	32AF	--	--
05/15/75 1210	5001 5050	13.79 3870	9.5 101	64 18	F C	7.8	405	--	--	--	0 .00	83 1.36	--	54 1.52	--	--	240	--	19AF	--	--
06/03/75 1700	5001 5050	16.61 6870	8.9 95	66 19	F C	7.3	198	--	--	--	0 .00	44 .72	--	23 .65	--	--	107	--	18AF	--	--
06/17/75 1615	5001 5050	17.69 7930	8.7 93	66 19	F C	7.6	140	--	--	--	0 .00	37 .61	--	15 .42	--	--	81	--	17AF	--	--
08/25/75 1010	5050 5001	8.2 88	66 19	F C	7.8	531	--	--	--	--	0 .00	110 1.80	--	--	--	--	36AF	--	--	--	--
07/01/75 1535	5001 5050	9.8 109	70 21	F C	8.2	736	--	--	--	--	0 .00	145 2.38	--	120 3.38	--	--	430	--	32AF	--	--
07/15/75 1510	5001 5050	8.7 99	72 22	F C	8.2	778	--	--	--	--	0 .00	151 2.47	--	59 1.66	--	--	414	--	50AF	--	--
07/23/75 1035	5050 5001	7.4 89	77 25	F C	7.4 7.9	865	--	--	--	--	0 .00	132 2.16	--	--	--	--	54AF	--	--	--	--

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	0.4M Q DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN	MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER				TURB SAP	
						CA	MG	NA	K		C03	HC03	504	CL	N03	8	F	TDS SUM	TH NCM	
*****																				
R0 7020.00 SAN JOAQUIN RIVER NEAR VERNALIS																				
										CONTINUED										
08/12/75	Su01			9.4	78.8F	7.2	733	--	--	--	--	--	--	106	--	--	--	396		484F
1015	Su50			115	26.0C									2.99	--	18.0				
3																				
08/26/75	Su01	11.14		7.3	77 F	7.7	685	--	--	--	--	--	--	184	--	--	--	420		314F
1200	Su50	1750		88	25 C									2.93	--	21.0				
3																				
09/11/75	Su01	12.16		7.9	72 F	7.8	471	--	--	--	--	0	82	--	71	--	--	255		194F
1410	Su50	2530		9c	22 C						0.0	1.34	--	2.00	--	16.0				
3																				
09/25/75	Su01	12.81		7.4	73 F	7.8	379	--	--	--	--	0	75	--	49	--	--	218		194F
1330	Su50	3050		86	23 C						0.0	1.23	--	1.39	--	14.0				
3																				
R1 1150.00 COSUMES RIVER AT MICHIGAN BAR																				
11/15/74	Su50	2.56	10.6	56 F	7.3	88	--	--	--	--	--	--	--	--	--	--	--			
1300		44	102	13 C																
12/05/74	Su50	3.55	10.8	48 F	7.2	83	6.7	4.2	4.7	--	0	43	--	1.8	--	--	--	71	34	6A
1100	Su50	295	93	9 C	7.1	87	.33	.35	.20	--	0.0	.70	--	.05	--	--	--	0	0.4	
38 40 23																				
01/21/75	Su50	3.02	12.3	44 F	7.3	98	--	--	--	--	--	--	--	--	--	--	--			
1045		132	101	7 C																
02/25/75	Su50	3.83				92	--	--	--	--	--	--	--	--	--	--	--			
1245		428																		
03/21/75	Su50	4.50	11.5	47 F	7.3	84	--	--	--	--	--	--	--	--	--	--	--			
0830		920	98	8 C																
04/25/75	Su50	5.46	11.4	50 F	7.2	59	4.4	2.7	2.8	.9	0	32	2.3	.0	.2	.20	--	48	22	21A
1100	Su50	2080	101	10 C	7.0	63	.22	.22	.12	.02	0.0	.52	.05	.00	.00	--	--	29	0	0.3
38 38 21																				
05/12/75	Su50	5.16	9.8	58 F	7.2	46	--	--	--	--	--	--	--	--	--	--	--			
0845		1650	96	14 C																
05/29/75	Su50	4.70	9.2	65 F	7.2	40	--	--	--	--	--	--	--	--	--	--	--			
1315		1120	98	18 C																
06/20/75	Su50	3.44	9.4	69.8F	7.4	48	--	--	2.5	--	0	24	--	--	--	--	--	46	20	0.2
1230	Su50	267	104	21.5C	7.5	47			.11	--	0	.39	--	--	--	--	--			
22																				
07/17/75	Su50	2.40	8.8	79 F	7.4	58	--	--	--	--	--	--	--	--	--	--	--			
1215		111	104	26 C																
08/07/75	Su50	2.54	8.5	80.0F	7.9	63	--	--	--	--	--	--	--	--	--	--	--	52		0A
1400	Su50	42	107	26.6C		66														
R1 2100.00 COSUMES RIVER, NORTH FORK, NEAR EL OORAOO																				
04/25/75	Su50	5.32	11.2	46 F	7.1	40	4.2	1.3	2.5	--	0	20	--	1.0	--	--	--	36	16	14A
0815	Su50	1150	96	8 C	7.2	43	.21	.11	.11	--	0.0	.33	--	.03	--	--	--	0	0.3	
49 26 26																				
09/15/75	Su50	2.39	8.2	66 F	7.2	50	5.5	2.3	3.0	--	0	32	--	1.7	--	--	--	38	23	0A
0830	Su50	17	90	19 C	7.2	61	.27	.19	.13	--	0.0	.52	--	.05	--	--	--	0	0.3	
46 32 22																				
R1 3150.00 COSUMES RIVER, MIDDLE FORK, NEAR SOMERSET																				
04/25/75	Su50	6.80	11.7	43 F	7.0	32	3.3	1.9	2.3	--	0	19	--	.8	--	--	--	30	16	14
0930	Su50	109	6 C	7.2	36	.16	.16	.10	.10	--	0.0	.31	--	.02	--	--	--	1	0.3	
38 38 24																				
09/15/75	Su50	3.64	8.6	65 F	7.2	53	5.7	1.4	2.6	--	0	29	--	1.2	--	--	--	33	20	0A
0930	Su50	97	18 C	7.2	55	.24	.12	.11	.11	--	0.0	.48	--	.03	--	--	--	0	0.3	
55 24 22																				
R1 4110.01 COSUMES RIVER, SOUTH FORK, AT RIVER PINES																				
04/25/75	Su50	10.9	46 F	7.2	64	6.4	2.4	3.2	--	0	36	--	1.9	--	--	--	--	42	26	4A
0900	Su50	100E	97	8 C	7.4	69	.32	.20	.14	--	0.0	.59	--	.05	--	--	--	0	0.3	
48 30 21																				
09/15/75	Su50	6.8	65 F	7.2	115	12	5.4	4.2	--	0	68	--	3.5	--	--	--	--	74	52	0A
0900	Su50	77	18 C	7.7	125	.60	.44	.18	.15	--	0.0	1.11	--	.10	--	--	--	0	0.3	
49 36 15																				
R2 0180.01 JACKSON CREEK AT JAPUR ROAD BRIDGE																				
05/08/75	2163		11.1	64 F	8.8	233	--	--	--	--	--	--	--	--	--	--	--			
1340	Su50		119	16 C		231														
R2 0185.01 JACKSON CREEK BELOW CITY OF JACKSON STP																				
05/08/75	2163		9.8	59 F	7.9	225	--	--	--	--	--	--	--	--	--	--	--			
0945	Su50		100	15 C		232														

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TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

TIME	SAMPLER LAB	G.P. DEPTH	DD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	504	CL	NO3	PERCENT REACTANCE VALUE	8	F	TOS SUM	TH NCH	TURB SAR
*****																				
R2 0190.20 JACKSON CREEK ABOVE CITY OF JACKSON STP																				
05/08/75	2163		10.5	58	F 8.0	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0914	5050		106	14	C	257														
R2 0190.55 JACKSON CREEK, NORTH FORK, IN JACKSON																				
05/08/75	2163		9.6	63	F 8.0	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1250	5050		103	17	C	333														
R2 0190.70 JACKSON CREEK, SOUTH FORK, IN JACKSON																				
05/08/75	2163		10.0	64	F 7.8	171	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1040	5050		109	18	C	172														
R2 0191.01 JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK																				
05/08/75	2163		9.8	62	F 7.6	172	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5050		104	17	C	182														
R2 0193.01 JACKSON CREEK BELOW NEW YORK GULCH																				
05/08/75	2163		8.8	65	F 7.6	151	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1220	5050		97	18	C	160														
R9 D 745.3 118+3 SAN JOAQUIN RIVER ABOVE PARADISE CUT																				
08/25/75	5050		9.2	68	F 7.9	540	--	--	--	--	0	114	--	--	--	--	--	--	--	31 A
1125	5001		101	20	C						.00	1.87	--	--	--	--	--	--	--	16.2
3																				
07/22/75	5050		8.2	77	F 4.3	918	--	--	--	--	0	130	--	--	--	--	--	--	--	30AF
1125	5001		98	25	C	7.9					.00	2.13	--	--	--	--	--	--	--	16.8
3																				
R9 D 747.2 118+4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE																				
10/02/74	5001		7.9	66	F 7.4	365	--	--	--	--	0	96	--	46	--	--	--	--	218	12AF
0950	5050		75	19	C						.00	1.57	--	1.30	--	--	--	--	16.2	
3																				
10/16/74	5001		7.1	64	F 7.4	449	--	--	--	--	0	110	--	78	--	--	--	--	252	18AF
0945	5050		75	18	C						.00	1.60	--	2.20	--	--	--	--	18.0	
3																				
10/21/74	5050	3.10	8.6	62	F 7.3	590	26	12	57	3.0	0	106	47	67	5.2	.20	--	295	114	2.3
1040	5050		88	17	C	7.7	530	1.30	.49	2.48	.08	.00	1.74	.98	1.69	.08		270	28	
3																				
11/06/74	5001		9.0	57	F 7.3	290	--	--	--	--	0	70	--	37	--	--	--	--	171	15AF
1350	5050		87	14	C						.00	1.15	--	1.04	--	--	--	--	13.6	
3																				
11/18/74	5001		8.7	55	F 7.7	440	--	--	--	--	0	78	--	59	--	--	--	--	244	11AF
1240	5050		82	13	C						.00	1.28	--	1.66	--	--	--	--	14.4	
3																				
11/22/74	5050	3.02	9.7	55	F 7.3	454	24	12	48	2.1	0	93	48	58	2.9	.20	--	257	110	3.4
1500	5050		87	13	C	7.6	481	1.20	.99	2.09	.05	.00	1.52	1.00	1.64	.05		241	34	2.0
3																				
12/17/74	5050		9.3	52	F 7.2	395	20	9.7	45	1.7	0	76	50	51	2.7	.20	--	227	90	2.1
1100	5050		84	11	C	7.5	428	1.00	.80	1.96	.04	.00	1.25	1.04	1.44	.04		218	28	
3																				
12/17/74	5001		10.0	52	F 7.7	373	--	--	--	--	0	68	--	53	--	--	--	--	239	11AF
1220	5050		90	11	C						.00	1.11	--	1.49	--	--	--	--	12.0	
3																				
01/15/75	5050		10.4	50	F 7.2	301	15	7.9	32	1.4	0	59	34	39	2.1	.20	--	184	70	12AF
1400	5050		92	10	C	7.4	324	.75	.65	1.39	.04	.00	.97	.71	1.10	.03		161	22	1.7
3																				
01/21/75	5001		9.8	50	F 7.4	597	--	--	--	--	0	78	--	99	--	--	--	--	338	8AF
1515	5050		87	10	C						.00	1.28	--	2.79	--	--	--	--	13.0	
3																				
02/03/75	5001		10.1	50	F	562	--	--	--	--	--	--	--	85	--	--	--	--	317	12AF
1410	5050		89	10	C									2.40	--	--	--	--	13.8	
3																				
02/21/75	5050		10.2	49	F 7.3	362	20	9.2	42	2.0	0	72	55	49	2.3	.30	--	227	88	22AF
1200	5050		89	9	C	7.5	395	1.00	.76	1.83	.05	.00	1.18	1.15	1.38	.04		215	29	2.0
3																				
03/18/75	5001		9.5	54	F 7.5	381	--	--	--	--	0	75	--	45	--	--	--	--	231	25AF
1010	5050		88	12	C						.00	1.23	--	1.27	--	--	--	--	13.8	
3																				
03/27/75	5050	6.65	9.7	54	F 7.3	322	16	10	36	1.4	0	72	42	37	3.4	.20	--	193	81	26AF
1200	5050		90	12	C	7.6	340	.80	.82	1.57	.04	.00	1.18	.87	1.04	.05		181	22	1.7
3																				
04/01/75	5001		9.7	54	F 7.7	373	--	--	--	--	0	75	--	45	--	--	--	--	230	26AF
1150	5050		90	12	C						.00	1.23	--	1.27	--	--	--	--	15.0	
3																				
04/18/75	5001		9.0	57	F 7.8	641	--	--	--	--	0	109	--	92	--	--	--	--	357	21AF
1310	5050		87	14	C						.00	1.79	--	2.59	--	--	--	--	15.0	
3																				
04/21/75	5050	2.90	8.8	63	F 7.4	585	30	15	64	1.8	0	111	68	84	3.6	.30	--	152	138	20AF
0930	5050		91	17	C	7.7	590	1.50	1.23	2.78	.05	.00	1.82	1.42	2.37	.06		121	46	2.4
3																				

MINERAL ANALYSES OF SURFACE WATER

TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HC03	PERCENT REACTANCE VALUE	SO4	CL	NO3	B	F
R9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE																	
CONTINUED																	
05/01/75 1235	5001 5050		9.3 64 98 10	F C	7.8 695	--	--	--	--	0 .00	123 2+62	-- 80 2+26	-- --	-- --	422		22AF
		3															
05/15/75 1115	5001 5050		9.6 64 101 18	F C	7.9 420	--	--	--	--	0 .00	84 1+38	-- 58 1+64	-- --	-- 16+0	725		18AF
		3															
05/28/75 1000	5050	4.72	9.2 60.8 102 21.0	F C	7.5 309	16 .80	7.3 40	33 1.44	1.9 .05	0 .00	64 1+65	30 41 2+5 1+16 .04	2.5 1	130 --	194 163	78 18	33AF 5AR 1+7
06/03/75 1600	5001 5050		8.9 68 97 22	F C	7.5 211	--	--	--	--	0 .00	48 .79	-- 24 +68	-- --	-- 10+0	127		22AF
		3															
06/17/75 1525	5001 5050		8.6 68 94 26	F C	7.5 153	--	--	--	--	0 .00	40 .66	-- 16 +45	-- --	-- 10+0	79		21AF
		3															
06/25/75 0845	5050 5050		9.2 69 102 21	F C	7.4 489	29 1.45	14 21	52 2.26	2.8 .07	0 .00	110 1.80	52 77 5.3 2+17 .09	2.0 1	--	315 286	132 40	32AF 2AF
06/25/75 1225	5050 5001		9.2 68 101 20	F C	7.9 541	--	--	--	--	0 .00	114 1+87	-- --	-- --	-- 16+0			28AF
		3															
07/01/75 1435	5001 5050		10.4 70 116 21	F C	8.2 708	--	--	--	--	0 .00	138 2+26	-- 118 3+33	-- --	-- 7+6	423		26AF
		3															
07/15/75 1400	5001 5050		10.6 72 114 22	F C	8.5 837	--	--	--	--	4.0 .13	151 2+47	-- 68 1+92	-- --	-- 15+0	465		25AF
		3															
07/18/75 0930	5050 5050	2.06	10.8 75.0 127 23.9	F C	8.0 740	43 2.15	22 1.81	88 3.83	3.9 .10	0 .00	156 2+56	86 126 9.0 1+79 3+55 .15	4.0 2	330 --	487 455	198 70	38AF 2.7
07/23/75 1200	5050 5001		9.3 79 114 20	F C	8.2 806	--	--	--	--	0 .00	130 2+13	-- --	-- --	-- 16+0			35AF
		3															
08/12/75 1525	5001 5050		9.9 77.0 119 25.0	F C	7.4 843	--	--	--	--	-- --	-- 123 3+47	-- --	-- 17+0		474		28AF
		3															
08/18/75 1400	5050 5050		8.9 73.0 77 22.8	F C	7.6 820	41 2.05	21 1.73	88 3.83	4.5 .12	0 .00	154 2+52	78 126 9.5 1+62 3+55 .15	4.0 2	330 --	479 444	187 63	35AF 2.8
08/26/75 1120	5001 5050		7.9 75 93 24	F C	7.7 643	--	--	--	--	-- --	-- 99 2+79	-- --	-- 20+0		395		19AF
		3															
09/11/75 1315	5001 5050		7.5 72 85 22	F C	7.8 512	--	--	--	--	0 .00	88 1+44	-- 75 2+12	-- --	-- 16+0	295		17AF
		3															
09/19/75 1100	5050 5050		6.4 70 71 21	F C	7.4 415	25 1.25	11 .90	46 2.00	3.5 .09	0 .00	145 1+72	37 64 5.2 1+77 1+80 .08	2.0 1	--	276 244	109 22	21AF 1.9
09/25/75 1240	5001 5050		7.3 72 83 22	F C	7.7 410	--	--	--	--	0 .00	78 1+28	-- 57 1+61	-- --	-- 15+0	233		18AF
		3															
R9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																	
10/03/74 0945	5001 5050		6.8 73 73 66	F C	7.8 415	--	--	--	--	0 .00	86 1+41	-- 64 1+80	-- --	-- 13+8			17AF
		3															
10/17/74 0950	5001 5050		5.7 64 90 18	F C	7.3 498	--	--	--	--	0 .00	124 2+03	-- 82 2+31	-- --	-- 17+2			18AF
		3															
11/07/74 1455	5001 5050		8.0 55 76 13	F C	7.3 278	--	--	--	--	0 .00	74 1+21	-- 42 1+18	-- --	-- 14+0			14AF
		3															
11/19/74 1245	5001 5050		8.2 55 78 13	F C	7.6 470	--	--	--	--	0 .00	88 1+38	-- 68 1+92	-- --	-- 15+0			12AF
		3															
12/18/74 1200	5001 5050		8.4 50 74 10	F C	7.4 484	--	--	--	--	0 .00	92 1+51	-- 71 2+00	-- --	-- --			10AF
		3															
01/22/75 1515	5001 5050		7.0 48 90 9	F C	7.4 595	--	--	--	--	0 .00	94 1+54	-- 99 2+79	-- --	-- 13+2			9AF
		3															
02/04/75 1455	5001 5050		10.0 50 88 10	F C	7.7 590	--	--	--	--	0 .00	88 1+44	-- 85 2+40	-- --	-- 11+2			14AF
		3															
03/18/75 0930	5001 5050		9.3 54 86 12	F C	7.6 424	--	--	--	--	0 .00	82 1+34	-- 57 1+61	-- --	-- 14+0			18AF
		3															
04/01/75 1110	5001 5050		9.5 52 86 11	F C	7.7 382	--	--	--	--	0 .00	76 1+25	-- 45 1+27	-- --	-- 17+0			23AF
		3															
04/18/75 1225	5001 5050		10.7 57 103 14	F C	8.2 665	--	--	--	--	0 .00	114 1+87	-- 94 2+65	-- --	-- 15+0			17AF
		3															

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	TURB SAR
							CA	MG	NA	K	CO3	MC03	SO4	CL	NO3	B	F	SI02			
R9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																					
											CONTINUED										
05/01/75	Su01		10.9	83	F	8.2	753	--	--	--	0	129	--	111	--	--	--	--			204F
1115	Su50	3	112	17	C						.00	2.11	--	3.13	--	--	--	14.0			
05/15/75	Su01		9.8	84	F	8.1	534	--	--	--	0	104	--	77	--	--	--	--			204F
1015	Su50	3	103	18	C						.00	1.70	--	2.17	--	--	--	15.0			
06/03/75	Su01		10.0	70	F	7.7	250	--	--	--	0	55	--	34	--	--	--	--			254F
1515	Su50	3	111	21	C						.00	.90	--	.96	--	--	--	10.0			
06/17/75	Su01		8.5	68	F	7.7	180	--	--	--	0	46	--	22	--	--	--	--			244F
1425	Su50	3	93	20	C						.00	.75	--	.62	--	--	--	10.0			
07/01/75	Su01		11.4	68	F	8.7	758	--	--	--	6.0	131	--	123	--	--	--	--			274F
1340	Su50	3	125	20	C						.20	2.15	--	3.47	--	--	--	12.0			
07/15/75	Su01		7.4	72	F	8.2	945	--	--	--	0	166	--	180	--	--	--	--			274F
1300	Su50	3	84	22	C						.00	2.72	--	4.51	--	--	--	11.0			
08/12/75	Su01		9.9	77.0F	F	7.4	878	--	--	--	--	--	--	142	--	--	--	--			324F
1330	Su50	3	119	25.0C									--	4.00	--	--	--	14.0			
08/26/75	Su01		6.8	73	F	7.8	650	--	--	--	--	--	--	194	--	--	--	--			244F
1025	Su50	3	79	23	C								--	2.93	--	--	--	19.0			
09/11/75	Su01		6.9	72	F	7.8	515	--	--	--	0	85	--	75	--	--	--	--			234F
1225	Su50	3	78	22	C						.00	1.39	--	2.12	--	--	--	15.0			
09/25/75	Su01		5.5	73	F	7.5	501	--	--	--	0	88	--	78	--	--	--	--			224F
1145	Su50	3	64	23	C						.00	1.44	--	2.20	--	--	--	14.0			
R9 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY																					
10/03/74	Su01		7.0	68	F	7.8	304	--	--	--	0	82	--	33	--	--	--	--	177		204F
1035	Su50	3	76	20	C						.00	1.34	--	.93	--	--	--	10.4			
10/17/74	Su01		7.3	66	F	7.3	235	--	--	--	0	88	--	27	--	--	--	--	140		214F
1040	Su50	3	79	19	C						.00	1.41	--	.78	--	--	--	14.6			
11/07/74	Su01		8.2	55	F	7.3	311	--	--	--	0	76	--	42	--	--	--	--	184		164F
1550	Su50	3	78	13	C						.00	1.25	--	1.18	--	--	--	13.8			
11/19/74	Su01		8.3	55	F	7.5	526	--	--	--	0	66	--	75	--	--	--	--	284		114F
1330	Su50	3	78	13	C						.00	1.41	--	2.12	--	--	--	15.4			
12/18/74	Su01		8.9	50	F	7.5	403	--	--	--	0	70	--	59	--	--	--	--	174F		
1300	Su50	3	79	10	C						.00	1.15	--	1.66	--	--	--	14.0			
01/22/75	Su01		9.6	45	F	7.2	432	--	--	--	0	72	--	61	--	--	--	--	247		204F
1015	Su50	3	79	7	C						.00	1.18	--	1.72	--	--	--	--			
02/04/75	Su01		11.0	46	F	7.5	354	--	--	--	0	73	--	40	--	--	--	--	206		214F
1600	Su50	3	93	8	C						.00	1.20	--	1.13	--	--	--	17.0			
03/18/75	Su01		9.1	54	F	7.5	412	--	--	--	0	78	--	57	--	--	--	--	238		184F
1155	Su50	3	84	12	C						.00	1.28	--	1.61	--	--	--	14.2			
04/01/75	Su01		8.5	54	F	7.8	377	--	--	--	0	88	--	46	--	--	--	--	222		214F
1210	Su50	3	79	12	C						.00	1.31	--	1.30	--	--	--	16.0			
04/16/75	Su01		9.0	55	F	7.8	284	--	--	--	--	--	--	28	--	--	--	--	166		244F
1105	Su50	3	85	13	C								--	.79	--	--	--	14.0			
05/01/75	Su01		9.1	61	F	7.7	233	--	--	--	0	68	--	21	--	--	--	--	385		214F
1225	Su50	3	92	16	C						.00	1.11	--	.59	--	--	--	15.0			
05/15/75	Su01		8.7	64	F	7.8	235	--	--	--	0	66	--	24	--	--	--	--	145		254F
1110	Su50	3	91	18	C						.00	1.08	--	.68	--	--	--	13.0			
06/03/75	Su01		7.8	70	F	7.8	291	--	--	--	0	63	--	40	--	--	--	--	170		254F
1635	Su50	3	87	21	C						.00	1.03	--	1.13	--	--	--	9.5			
06/17/75	Su01		8.0	72	F	7.6	220	--	--	--	--	--	--	28	--	--	--	--	146		204F
1555	Su50	3	89	21	C								--	.79	--	--	--	11.0			
07/01/75	Su01		7.6	72	F	7.6	227	--	--	--	0	58	--	27	--	--	--	--	130		314F
1525	Su50	3	86	22	C						.00	.95	--	.76	--	--	--	12.0			
07/15/75	Su01		7.1	73	F	7.6	208	--	--	--	0	59	--	21	--	--	--	--	121		234F
1440	Su50	3	82	23	C						.00	.97	--	.59	--	--	--	14.0			
08/12/75	Su01		7.1	77.0F	F	7.6	178	--	--	--	0	66	--	13	--	--	--	--	104		184F
1245	Su50	3	85	25.0C							.00	1.08	--	.37	--	--	--	14.0			

MINERAL ANALYSES OF SURFACE WATER

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TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PN EC	MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER EQUIVALENTS PER LITER	PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER	TURB SAR								
						CA	MG	NA	K	CO3	NO3	SO4	CL	NO3	B	F	TDS SUM	TH NCH
89 D 750.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO																		
CONTINUED																		
05/15/75	5001																	
1015	5050		98	18	C	8.3	135	--	--	--	--	0	57	--	7.0	--	95	17AF
		3								.00	.93	--	.20	--	--	13.0		
06/03/75	5001		7.0	73	F	7.6	198	--	--	--	--	0	62	--	19	--	115	21AF
1535	5050		81	23	C			--	--	--	--	.00	1.02	--	.54	--	12.0	
		3																
06/17/75	5001		7.0	73	F	7.5	228	--	--	--	--	--	23	--	--	--	136	24AF
1455	5050		81	23	C			--	--	--	--	--	.65	--	--	13.0		
		3																
07/01/75	5001		7.5	73	F	7.5	175	--	--	--	--	0	57	--	17	--	88	24AF
1420	5050		87	23	C			--	--	--	--	.00	.93	--	.48	--	13.0	
		3																
07/15/75	5001		7.3	73	F	7.6	165	--	--	--	--	0	58	--	12	--	96	18AF
1340	5050		84	23	C			--	--	--	--	.00	.95	--	.34	--	15.0	
		3																
08/12/75	5001		7.8	75.2F	7.9	167	--	--	--	--	--	0	65	--	13	--	104	15AF
1155	5050		92	24.8C				--	--	--	--	.00	1.07	--	.37	--	15.0	
		3																
08/25/75	5001		8.1	75	F	7.8	222	--	--	--	--	0	67	--	19	--	123	13AF
1005	5050		98	24	C			--	--	--	--	.00	1.10	--	.54	--	14.0	
		3																
09/11/75	5001		8.3	72	F	8.5	206	--	--	--	--	2.0	87	--	17	--	118	12AF
1215	5050		94	22	C			--	--	--	--	.07	1.43	--	.48	--	15.0	
		3																
09/26/75	5001		8.1	73	F		199	--	--	--	--	--	14	--	--	--	109	12AF
1225	5050		94	23	C			--	--	--	--	--	.39	--	--	14.0		
		3																
89 D 750.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE																		
10/03/74	5001		6.7	68	F	7.4	191	--	--	--	--	0	72	--	15	--	120	18AF
0840	5050		73	20	C			--	--	--	--	.00	1.18	--	.42	--	11.0	
		3																
10/17/74	5001		6.9	66	F	7.3	183	--	--	--	--	0	84	--	17	--	110	18AF
0850	5050		74	19	C			--	--	--	--	.00	1.38	--	.48	--	14.6	
		3																
11/07/74	5001		7.9	57	F	7.1	235	--	--	--	--	0	80	--	25	--	153	18AF
1355	5050		76	14	C			--	--	--	--	.00	1.31	--	.71	--	15.8	
		3																
11/19/74	5001		8.0	57	F	7.1	350	--	--	--	--	0	72	--	45	--	206	15AF
1140	5050		77	14	C			--	--	--	--	.00	1.18	--	1.27	--	14.8	
		3																
12/18/74	5001		9.0	48	F	7.4	406	--	--	--	--	0	80	--	57	--	262	15AF
1100	5050		78	9	C			--	--	--	--	.00	1.31	--	1.61	--	10.6	
		3																
01/22/75	5001		9.7	45	F	7.3	325	--	--	--	--	0	71	--	36	--	194	16AF
1415	5050		80	7	C			--	--	--	--	.00	1.16	--	1.02	--	17.4	
		3																
02/04/75	5001		11.1	46	F	7.2	294	--	--	--	--	0	75	--	28	--	175	18AF
1350	5050		93	6	C			--	--	--	--	.00	1.23	--	.79	--	18.2	
		3																
89 D 750.7 122.9 SAN JACUIN RIVER AT RUCKLEY COVE																		
10/01/74	5001		7.1	66	F	7.7	388	--	--	--	--	0	96	--	52	--	236	13AF
0850	5050		78	20	C			--	--	--	--	.00	1.57	--	1.47	--	15.0	
		3																
10/16/74	5001		5.9	64	F	7.7	510	--	--	--	--	0	110	--	78	--	281	14AF
0750	5050		62	18	C			--	--	--	--	.00	1.80	--	2.20	--	18.4	
		3																
11/06/74	5001		8.0	59	F	7.6	313	--	--	--	--	0	68	--	42	--	167	9AF
1310	5050		79	15	C			--	--	--	--	.00	1.11	--	1.18	--	13.4	
		3																
11/18/74	5001		8.7	57	F	7.6	405	--	--	--	--	0	92	--	52	--	244	8AF
1115	5050		84	14	C			--	--	--	--	.00	1.51	--	1.47	--	15.0	
		3																
12/17/74	5001		9.0	50	F	7.2	370	--	--	--	--	0	66	--	47	--	114F	
1005	5050		80	16	C			--	--	--	--	.00	1.08	--	1.33	--	12.2	
		3																
02/03/75	5001		11.1	48	F	7.4	508	--	--	--	--	0	81	--	75	--	298	7AF
1225	5050		96	9	C			--	--	--	--	.00	1.33	--	2.12	--	12.2	
		3																
03/18/75	5001		9.2	52	F	7.5	335	--	--	--	--	0	80	--	38	--	205	18AF
0935	5050		83	11	C			--	--	--	--	.00	1.31	--	1.07	--	14.6	
		3																
04/01/75	5001		8.6	54	F	7.7	315	--	--	--	--	0	76	--	40	--	200	17AF
0915	5050		80	12	C			--	--	--	--	.00	1.25	--	1.13	--	15.0	
		3																
04/16/75	5001		8.7	59	F	7.2	395	--	--	--	--	--	50	--	--	--	235	15AF
0835	5050		84	15	C			--	--	--	--	--	1.41	--	--	13.0		
		3																
05/01/75	5001		9.9	63	F	8.1	549	--	--	--	--	0	105	--	79	--	325	12AF
0955	5050		102	17	C			--	--	--	--	.00	1.72	--	2.23	--	12.0	
		3																



TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	PERCENT REACTANCE VALUE	0	F	TDS SUM	TH NCH	TURB SAU
99 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																				
										CONTINUED										
05/01/75	5050			63	F 7.9	541	--	--	--	--	107	--	--	--	--	--	--			174F
0956	5050			17	C 7.9						1.75									
05/15/75	5001	8.9	68	F	8.2	453	--	--	--	0	97	--	65	--	--	--	292			134F
0855	5050	97	20	C						.00	1.59		1.63		--	12.0				
06/03/75	5001	8.5	72	F	8.1	333	--	--	--	0	70	--	47	--	--	--	185			174F
1400	5050	96	22	C						.00	1.15		1.33		--	9.2				
06/17/75	5001	7.5	72	F	7.6	187	--	--	--	--	--	--	25	--	--	--	116			184F
1330	5050	85	22	C						--	--	--	.71		--	11.0				
07/01/75	5001	6.4	73	F	7.5	415	--	--	--	0	86	--	66	--	--	--	257			154F
1305	5050	74	23	C						.00	1.41		1.86		--	11.0				
07/15/75	5001	6.6	75	F	7.7	560	--	--	--	0	104	--	94	--	--	--	320			114F
1200	5050	78	24	C						.00	1.70		2.65		--	8.2				
08/12/75	5001	8.3	78.8F	8.0	426	--	--	--	--	0	97	--	66	--	--	--	238			154F
1015	5050	101	26.0C							.00	1.59		1.86		--	2.3				
08/25/75	5001	5.3	77	F	7.6	566	--	--	--	0	120	--	94	--	--	--	317			124F
0855	5050	64	25	C						.00	1.97		2.65		--	2.0				
09/11/75	5001	5.0	75	F	8.2	620	--	--	--	0	153	--	97	--	--	--	747			124F
1100	5050	50	24	C						.00	2.51		2.74		--	9.1				
09/26/75	5001	2.5	75	F		512	--	--	--	--	--	--	80	--	--	--	296			84F
1105	5050	29	24	C						--	--	--	2.26		--	16.0				
89 D 758.8 128.5 TURNER CUT AT MCDONALD ISLAND FERRY																				
10/01/74	5001	4.5	70	F	7.5	403	--	--	--	0	100	--	53	--	--	--	154F			
0925	5050	50	21	C						.00	1.64		1.49		--	14.6				
10/16/74	5001	4.6	64	F	7.6	435	--	--	--	0	102	--	64	--	--	--	164F			
0820	5050	48	18	C						.00	1.67		1.80		--	16.8				
11/06/74	5001	7.1	50	F	7.4	360	--	--	--	0	72	--	48	--	--	--	134F			
1340	5050	71	15	C						.00	1.18		1.35		--	14.2				
11/18/74	5001	7.1	57	F	7.5	378	--	--	--	0	82	--	49	--	--	--	134F			
1150	5050	68	14	C						.00	1.34		1.38		--	15.2				
12/17/74	5001	8.0	52	F		348	--	--	--	0	68	--	45	--	--	--	154F			
1040	5050	72	11	C						.00	1.11		1.27		--	12.8				
02/03/75	5001	10.6	48	F	7.2	462	--	--	--	0	81	--	66	--	--	--	104F			
1300	5050	91	9	C						.00	1.33		1.86		--	13.2				
89 D 801.1 142.6 HIG BREAK NEAR OAKLEY																				
10/09/74	5001	9.4	64	F	7.9	166	--	--	--	0	62	--	14	--	--	--	92			154F
1205	5050	99	18	C						.00	1.02		.39		--	14.2				
10/23/74	5001	9.0	64	F	7.8	142	--	--	--	0	54	--	9.9	--	--	--	94			114F
1140	5050	95	18	C						.00	.89		.28		--	15.2				
11/21/74	5001	9.2	55	F	7.8	182	--	--	--	0	58	--	16	--	--	--	108			114F
1200	5050	87	13	C						.00	.95		.45		--	16.4				
12/11/74	5001	9.0	50	F	7.2	177	--	--	--	0	100	--	15	--	--	--	114			114F
1535	5050	87	10	C						.00	1.64		.42		--	--				
01/08/75	5001	11.3	46	F	7.9	231	--	--	--	0	68	--	28	--	--	--	139			154F
1425	5050	95	8	C						.00	1.11		.79		--	17.6				
02/06/75	5001	11.0	48	F	7.7	219	--	--	--	0	74	--	21	--	--	--	140			144F
1445	5050	95	9	C						.00	1.21		.59		--	18.4				
03/20/75	5001	10.1	52	F	7.8	256	--	--	--	0	75	--	28	--	--	--	160			404F
1055	5050	91	11	C						.00	1.23		.79		--	18.2				
04/03/75	5001	10.1	54	F	7.9	203	--	--	--	0	68	--	17	--	--	--	124			464F
1145	5050	93	12	C						.00	1.11		.48		--	15.0				
04/23/75	5001	10.3	61	F	8.0	178	--	--	--	0	68	--	11	--	--	--	114			204F
1605	5050	104	16	C						.00	1.11		.31		--	16.0				
05/08/75	5001	11.9	64	F	8.8	143	--	--	--	5.0	57	--	6.7	--	--	--	136			164F
1625	5050	110	18	C						.17	.93		.19		--	16.0				

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	W.M. S DEPTH	00 547	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		0	F	TOS	TH	TURB	
																5102	SUM	NCH		SAR	
*****																					
RY D 801.1 142.6 810 BREAK NEAR OAKLEY																					
CONTINUED																					
05/22/75	5001		10.0 68	F	8.4 160	--	--	--	--	1.0	.57	--	0.5	--	--	--	60			23AF	
1640	5050	3	109 20	C						.63	.93	--	.24	--	--	14.0					
08/05/75	5001		8.4 73	F	8.0 173	--	--	--	--	0	.64	--	.15	--	--	--	96			32AF	
1700	5050	3	97 23	C						.00	1.05	--	.42	--	--	15.0					
08/19/75	5001		8.6 68	F	7.6 152	--	--	--	--	0	.54	--	.13	--	--	--	65			21AF	
1450	5050	3	94 20	C						.00	.89	--	.37	--	--	13.0					
07/03/75	5001		8.7 70	F	7.9 152	--	--	--	--	0	.58	--	.11	--	--	--	90			24AF	
1400	5050	3	97 21	C						.00	.95	--	.31	--	--	13.0					
07/17/75	5001		8.5 73	F	7.8 176	--	--	--	--	0	.60	--	.15	--	--	--	103			20AF	
1505	5050	3	98 23	C						.00	.98	--	.42	--	--	14.0					
08/14/75	5001		8.9 70	F	8.3 330	--	--	--	--	0	.70	--	.53	--	--	--	171			20AF	
1200	5050	3	97 21	C						.00	1.15	--	1.44	--	--	13.0					
08/27/75	5001		8.3 68	F	8.1 350	--	--	--	--	0	.70	--	.62	--	--	--	269			20AF	
0920	5050	3	91 23	C						.00	1.15	--	1.75	--	--	15.0					
09/03/75	5001		9.6 77	F	8.3 258	--	--	--	--	0	.72	--	.32	--	--	--	141			14AF	
1725	5050	3	115 25	C						.00	1.18	--	.90	--	--	14.0					
09/17/75	5001		9.1 70	F	8.1 243	--	--	--	--	0	.82	--	.32	--	--	--	138			20AF	
1635	5050	3	101 21	C						.00	1.34	--	.90	--	--	15.0					
RY D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																					
10/09/74	5001		8.6 66	F	7.9 178	--	--	--	--	0	.64	--	.17	--	--	--	96			17AF	
1135	5050	3	92 19	C						.00	1.05	--	.48	--	--	13.0					
10/23/74	5001		8.2 64	F	7.7 175	--	--	--	--	0	.54	--	.19	--	--	--	110			19AF	
1105	5050	3	86 18	C						.00	.89	--	.54	--	--	14.0					
11/21/74	5001		8.9 57	F	7.8 175	--	--	--	--	0	.58	--	.17	--	--	--	108			15AF	
1135	5050	3	86 14	C						.00	.95	--	.48	--	--	16.4					
12/11/74	5001		9.6 50	F	7.5 138	--	--	--	--	0	.52	--	.10	--	--	--	94			25AF	
1505	5050	3	87 10	C						.00	.85	--	.28	--	--	16.6					
01/08/75	5001		11.5 46	F	7.8 273	--	--	--	--	0	.67	--	.40	--	--	--	156			17AF	
1355	5050	3	97 8	C						.00	1.10	--	1.13	--	--	18.0					
02/06/75	5001		10.4 48	F	7.7 342	--	--	--	--	0	.73	--	.57	--	--	--	193			20AF	
1415	5050	3	90 9	C						.00	1.20	--	1.61	--	--	10.4					
03/20/75	5001		9.7 54	F	7.6 222	--	--	--	--	0	.73	--	.19	--	--	--	132			50AF	
1025	5050	3	90 12	C						.00	1.20	--	.54	--	--	16.2					
04/03/75	5001		10.1 54	F	7.8 185	--	--	--	--	0	.68	--	.15	--	--	--	115			54AF	
1115	5050	3	93 12	C						.00	1.11	--	.42	--	--	16.0					
04/23/75	5001		9.7 59	F	7.9 179	--	--	--	--	0	.72	--	.12	--	--	--	117			21AF	
1535	5050	3	96 15	C						.00	1.18	--	.34	--	--	16.0					
05/08/75	5001		10.1 61	F	8.1 166	--	--	--	--	0	.62	--	.11	--	--	--	104			18AF	
1555	5050	3	102 16	C						.00	1.02	--	.31	--	--	15.0					
05/22/75	5001		9.5 64	F	8.2 179	--	--	--	--	0	.58	--	.05	--	--	--	77			19AF	
1605	5050	3	100 18	C						.00	.95	--	.24	--	--	15.0					
06/05/75	5001		8.7 70	F	8.0 167	--	--	--	--	0	.64	--	.12	--	--	--	92			19AF	
1425	5050	3	97 21	C						.00	1.05	--	.34	--	--	14.0					
06/19/75	5001		9.3 68	F	7.7 157	--	--	--	--	0	.56	--	.13	--	--	--	96			21AF	
1420	5050	3	91 20	C						.00	.92	--	.37	--	--	13.0					
07/03/75	5001		8.8 68	F	7.8 169	--	--	--	--	0	.58	--	.16	--	--	--	94			21AF	
1335	5050	3	96 20	C						.00	.95	--	.45	--	--	12.0					
07/17/75	5001		7.6 72	F	7.9 426	--	--	--	--	0	.64	--	.85	--	--	--	223			19AF	
1430	5050	3	86 22	C						.00	1.05	--	2.40	--	--	13.0					
08/14/75	5001		8.1 70	F	8.1 1150	--	--	--	--	0	.72	--	.307	--	--	--	674			20AF	
1130	5050	3	90 21	C						.00	1.18	--	6.66	--	--	15.0					
08/27/75	5001		7.4 72	F	7.4 707	--	--	--	--	0	.71	--	.170	--	--	--	396			24AF	
0855	5050	3	84 22	C						.00	1.16	--	4.79	--	--	15.0					
09/03/75	5001		7.4 72	F	7.8 527	--	--	--	--	0	.74	--	.108	--	--	--	280			22AF	
1640	5050	3	84 22	C						.00	1.21	--	3.05	--	--	14.0					

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.H. DEPTH	OD S&T	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER										MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		B	F	TO-	TN	TURB	SAR					
*****																										
R9 D 801.2 148.5 SAN JOAQUIN RIVER AT AN710CH SHIP CHANNEL													CONTINUED													
09/17/75	5301			8.0	68																					
1605	5450			87	20	C	8.0	409	--	--	--	0	84		73	--	--	--	--					212		21AF
		3									0.00	1.38			2.06								16.0			
R9 D 802.6 125.1 DISAPPOINTMENT SLOUGH AT BISHOP CUT																										
10/02/74	5401			6.8	68																					
0800	5450			74	20	C	7.2	172	--	--	--	0	86		13	--	--	--	--						18AF	
		3									0.00	1.41			.37								13.8			
10/16/74	5401			7.1	63																					
0745	5450			73	17	C	7.2	142	--	--	--	0	80		11	--	--	--	--						17AF	
		3									0.00	1.31			.31								15.4			
11/06/74	5401			7.9	59																					
1225	5450			78	15	C	7.3	231	--	--	--	0	72		24	--	--	--	--						16AF	
		3									0.00	1.18			.68								14.2			
11/18/74	5401			7.6	57																					
1040	5450			73	14	C	7.4	240	--	--	--	0	68		27	--	--	--	--						15AF	
		3									0.00	1.11			.76								14.2			
12/17/74	5401			7.8	50																					
1015	5450			89	10	C	7.4	277	--	--	--	0	76		35	--	--	--	--						13AF	
		3									0.00	1.25			.99								15.4			
01/21/75	5401			8.4	46																					
1335	5450			71	8	C	7.2	372	--	--	--	0	62		45	--	--	--	--						17AF	
		3									0.00	1.02			1.27								22.8			
02/03/75	5401			10.7	46																					
1240	5450			90	8	C		407	--	--	--	--	--		55	--	--	--	--						18AF	
		3													1.55								17.4			
03/18/75	5401			7.2	52																					
0805	5450			65	11	C	8.1	289	--	--	--	0	90		35	--	--	--	--						33AF	
		3									0.00	1.48			.99								14.4			
04/01/75	5401			9.6	52																					
0955	5450			81	11	C	7.7	365	--	--	--	0	101		43	--	--	--	--						31AF	
		3									0.00	1.66			1.21								9.2			
04/18/75	5401			9.9	57																					
1020	5450			96	14	C	7.8	317	--	--	--	0	94		35	--	--	--	--						22AF	
		3									0.00	1.54			.99								14.0			
05/01/75	5401			9.7	63																					
1005	5450			100	17	C	7.7	229	--	--	--	0	78		23	--	--	--	--						22AF	
		3									0.00	1.28			.65								13.0			
05/15/75	5401			7.7	63																					
0830	5450			79	17	C	7.4	144	--	--	--	0	53		11	--	--	--	--						22AF	
		3									0.00	.87			.31								13.0			
06/03/75	5401			7.2	72																					
1345	5450			82	22	C	7.3	185	--	--	--	0	63		17	--	--	--	--						23AF	
		3									0.00	1.03			.48								14.0			
06/17/75	5401			6.6	70																					
1255	5450			74	21	C	7.5	215	--	--	--	0	71		22	--	--	--	--						22AF	
		3									0.00	1.16			.62								13.0			
07/01/75	5401			6.7	72																					
1205	5450			70	22	C	7.7	234	--	--	--	0	81		26	--	--	--	--						28AF	
		3									0.00	1.33			.73								12.0			
07/15/75	5401			5.8	72																					
1130	5450			66	22	C	8.1	237	--	--	--	0	79		26	--	--	--	--						28AF	
		3									0.00	1.29			.73								15.0			
08/12/75	5401			7.1	70																					
1135	5450			79	21	C	6.8	260	--	--	--	--	--		23	--	--	--	--						18AF	
		3													.65								16.0			
08/26/75	5401			6.6	75																					
0905	5450			78	24	C	7.4	228	--	--	--	--	--		22	--	--	--	--						17AF	
		3													.62								18.0			
09/11/75	5401			7.1	72																					
1035	5450			81	22	C	7.7	221	--	--	--	0	66		19	--	--	--	--						15AF	
		3									0.00	1.08			.54								15.0			
09/25/75	5401			6.3	73																					
1020	5450			73	23	C	7.6	250	--	--	--	0	73		26	--	--	--	--						21AF	
		3									0.00	1.20			.73								16.0			
R9 D 802.6 136.8 FRANKS TRACT NEAR RUSCOS LANDING																										
10/08/74	5401			8.8	64																					
1205	5450			92	18	C	7.9	160	--	--	--	0	62		11	--	--	--	--						14AF	
		3									0.00	1.02			.31								14.0			
10/22/74	5401			8.9	64																					
1235	5450			93	18	C	7.7	138	--	--	--	0	54		9.4	--	--	--	--						13AF	
		3									0.00	.89			.27								15.2			
11/20/74	5401			9.0	55																					
1120	5450			85	13	C	7.7	201	--	--	--	0	60		21	--	--	--	--						12AF	
		3									0.00	.98			.59								16.0			
12/10/74	5401			9.6	50																					
1530	5450			85	10	C	7.6	202	--	--	--	0	58		17	--	--	--	--						10AF	
		3									0.00	.95			.48								16.2			
01/07/75	5401			11.2	45																					
1445	5450			92	7	C	7.6	209	--	--	--	0	60		17	--	--	--	--						12AF	
		3									0.00	.98			.49								17.8			

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.H. C DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	PERCENT REACTANCE VALUE			B	F	TDS SUM	TH NCH	TURB SAR	
											HCO3	SO4	CL NO3						
89 D 802.6 136.8 FRANKS TRACT NEAR RUS505 LANDING																			CONTINUED
02/05/75 1355	5001 5050	3	11.0 93	46 8	F C	7.3 211	--	--	--	--	--	--	17 .48	--	--	--	18.8	14AF	
03/19/75 1035	5001 5050		54 12	F C	7.6 263	--	--	--	0 .00	73 1.20	--	24 .68	--	--	--	18.2	32AF		
04/02/75 1055	5001 5050	3	10.1 93	54 12	F C	7.8 206	--	--	--	0 .00	68 1.11	--	17 .48	--	--	--	16.0	37AF	
04/22/75 1005	5001 5050		10.0 99	59 15	F C	7.8 168	--	--	--	0 .00	66 1.08	--	11 .31	--	--	--	17.0	18AF	
05/07/75 1610	5001 5050	3	10.5 108	63 17	F C	8.2 139	--	--	--	0 .00	58 .95	--	7.0 .20	--	--	--	14.0	17AF	
05/21/75 1525	5001 5050		9.9 104	64 18	F C	8.2 137	--	--	--	0 .00	56 .92	--	9.0 .25	--	--	--	14.0	23AF	
06/04/75 1440	5001 5050	3	10.0 118	75 24	F C	8.4 167	--	--	--	2.0 .07	58 .95	--	13 .37	--	--	--	12.0	17AF	
06/18/75 1410	5001 5050		8.6 96	70 21	F C	7.8 154	--	--	--	0 .00	55 .90	--	13 .37	--	--	--	12.0	24AF	
07/02/75 1310	5001 5050	3	8.5 95	70 21	F C	7.8 146	--	--	--	0 .00	57 .93	--	11 .31	--	--	--	14.0	24AF	
07/16/75 1235	5001 5050		7.9 90	72 22	F C	7.9 163	--	--	--	0 .00	59 .97	--	11 .31	--	--	--	16.0	18AF	
08/13/75 1120	5001 5050	3	8.4 95	72 22	F C	8.0 202	--	--	--	0 .00	65 1.07	--	22 .62	--	--	--	14.0	17AF	
08/26/75 1000	5001 5050		8.3 94	72 22	F C	8.0 211	--	--	--	0 .00	69 1.13	--	23 .65	--	--	--	14.0	16AF	
09/02/75 1550	5001 5050	3	10.2 120	75 24	F C	8.5 230	--	--	--	1.0 .03	72 1.18	--	21 .59	--	--	--	15.0	11AF	
09/16/75 1610	5001 5050		9.5 106	70 21	F C	8.2 204	--	--	--	0 .00	82 1.34	--	15 .42	--	--	--	17.0	11AF	
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																			
10/08/74 1020	5001 5050	3	8.2 88	66 19	F C	7.8 186	--	--	--	0 .00	64 1.05	--	17 .48	--	--	--	14.0	17AF	
10/22/74 1045	5001 5050		8.3 87	64 18	F C	7.6 160	--	--	--	0 .00	54 .89	--	14 .39	--	--	--	--	14AF	
11/20/74 0935	5001 5050	3	8.7 84	57 14	F C	7.7 184	--	--	--	0 .00	58 .95	--	17 .48	--	--	--	15.8	12AF	
12/10/74 1325	5001 5050		9.5 84	50 10	F C	7.6 148	--	--	--	0 .00	52 .85	--	11 .31	--	--	--	16.8	20AF	
01/07/75 1240	5001 5050	3	12.1 99	45 7	F C	7.6 235	--	--	--	0 .00	60 .98	--	25 .71	--	--	--	18.4	14AF	
02/05/75 1145	5001 5050		10.8 93	48 9	F C	7.2 294	--	--	--	--	--	--	47 1.33	--	--	--	18.4	18AF	
03/19/75 0800	5001 5050	3	10.1 91	52 11	F C	7.6 197	--	--	--	0 .00	76 1.25	--	11 .31	--	--	--	19.6	48AF	
04/02/75 0835	5001 5050		10.0 90	52 11	F C	7.7 149	--	--	--	0 .00	68 1.11	--	6.6 .19	--	--	--	19.0	06AF	
04/22/75 1340	5001 5050	3	9.5 92	57 14	F C	7.9 180	--	--	--	0 .00	71 1.16	--	10 .28	--	--	--	16.0	26AF	
05/07/75 1420	5001 5050		9.7 98	61 16	F C	7.8 141	--	--	--	0 .00	60 .98	--	7.4 .21	--	--	--	15.0	23AF	
05/21/75 1335	5001 5050	3	9.4 97	63 17	F C	8.1 144	--	--	--	0 .00	58 .95	--	8.7 .25	--	--	--	14.0	23AF	
06/04/75 1300	5001 5050		8.8 98	70 21	F C	7.8 158	--	--	--	0 .00	66 1.08	--	9.4 .27	--	--	--	15.0	16AF	
06/18/75 1220	5001 5050	3	8.6 94	68 20	F C	7.8 140	--	--	--	0 .00	50 .82	--	9.9 .28	--	--	--	13.0	22AF	

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER	MILLIGRAMS PER LITER	TURB SAR
						CA MB NA K CO3 HCO3 SO4 CL NO3	B F TDS TM		
							8 102 SUN NCM		
09 D 092.6 147.0 SHERMAN LAKE NEAR ANTIOCH									
CONTINUED									
07/02/75	5001		8.7 68	F 0.0 159	-- --	-- -- 0 02	-- 13 --	-- --	25AF
1110	5050		95 20	C		-- -- .00 1.02	-- .37 --	-- 14.0	
07/16/75	5001		0.0 70	F 7.0 425	-- --	-- -- 0 01	-- 85 --	-- --	23AF
1050	5050		89 21	C		-- -- .00 1.00	-- 2.40 --	-- 14.0	
08/13/75	5001		0.2 68	F 0.0 870	-- --	-- -- 0 07	-- 219 --	-- --	32AF
0930	5050		90 20	C		-- -- .00 1.10	-- 6.18 --	-- 16.0	
08/26/75	5001		0.1 70	F 7.9 832	-- --	-- -- 0 71	-- 186 --	-- --	31AF
0720	5050		90 21	C		-- -- .00 1.10	-- 5.25 --	-- 15.0	
08/02/75	5001		0.0 72	F 7.9 498	-- --	-- -- 0 74	-- 90 --	-- --	23AF
1400	5050		91 22	C		-- -- .00 1.21	-- 2.79 --	-- 10.0	
09/16/75	5001		0.3 60	F 8.0 410	-- --	-- -- 0 85	-- 74 --	-- --	20AF
1410	5050		91 20	C		-- -- .00 1.39	-- 2.69 --	-- 10.0	
09 D 802.9 132.0 SAN JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER									
10/01/74	5001		7.9 80	F 7.6 208	-- --	-- -- 0 80	-- 20 --	-- --	13AF
0800	5050		86 20	C		-- -- .00 1.31	-- .56 --	-- 13.8	
10/16/74	5001		7.8 84	F 7.6 161	-- --	-- -- 0 56	-- 15 --	-- --	11AF
0700	5050		92 10	C		-- -- .00 .92	-- .42 --	-- 15.0	
11/06/74	5001		0.1 59	F 7.4 219	-- --	-- -- 0 72	-- 24 --	-- --	0AF
1230	5050		80 15	C		-- -- .00 1.18	-- .08 --	-- 12.4	
11/18/74	5001		0.2 57	F 7.7 210	-- --	-- -- 0 60	-- 23 --	-- --	10AF
1030	5050		79 14	C		-- -- .00 .98	-- .65 --	-- 14.0	
12/17/74	5001		0.1 50	F 7.2 253	-- --	-- -- -- --	-- 26 --	-- --	10AF
0905	5050		80 10	C		-- -- -- --	-- .73 --	-- 15.4	
02/03/75	5001		11.5 48	F 7.3 225	-- --	-- -- 0 82	-- 19 --	-- --	11AF
1130	5050		97 8	C		-- -- .00 1.34	-- .54 --	-- 18.8	
09 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT									
10/08/74	5001		8.6 86	F 8.0 155	-- --	-- -- 0 54	-- 11 --	-- --	90
1145	5050		92 19	C		-- -- .00 1.05	-- .31 --	-- 14.2	13AF
10/22/74	5001		0.4 64	F 7.7 148	-- --	-- -- 0 54	-- 10 --	-- --	94
1210	5050		98 18	C		-- -- .00 .80	-- .28 --	-- --	10AF
11/20/74	5001		0.1 55	F 7.7 177	-- --	-- -- 0 58	-- 17 --	-- --	100
1100	5050		86 13	C		-- -- .00 .95	-- .40 --	-- 10.4	10AF
12/10/74	5001		0.0 52	F 7.6 176	-- --	-- -- 0 56	-- 16 --	-- --	110
1500	5050		87 11	C		-- -- .00 .92	-- .45 --	-- --	11AF
01/07/75	5001		11.0 45	F 7.7 230	-- --	-- -- 0 60	-- 22 --	-- --	130
1420	5050		96 7	C		-- -- .00 .90	-- .02 --	-- 18.0	10AF
02/05/75	5001		10.8 46	F 7.4 223	-- --	-- -- -- --	-- 24 --	-- --	130
1330	5050		91 8	C		-- -- -- --	-- .80 --	-- 18.8	13AF
03/19/75	5001		9.7 52	F 7.6 230	-- --	-- -- 0 71	-- 18 --	-- --	120
1010	5050		98 11	C		-- -- .00 1.16	-- .51 --	-- 10.2	52AF
04/02/75	5001		10.3 52	F 7.7 193	-- --	-- -- 0 85	-- 14 --	-- --	113
1028	5050		93 11	C		-- -- .00 1.07	-- .39 --	-- 17.0	54AF
04/22/75	5001		9.8 57	F 7.6 171	-- --	-- -- 0 67	-- 9.7 --	-- --	100
1540	5050		95 14	C		-- -- .00 1.10	-- .27 --	-- 10.0	19AF
05/07/75	5001		10.0 61	F 8.0 143	-- --	-- -- 0 59	-- 7.4 --	-- --	79
1550	5050		101 16	C		-- -- .00 .97	-- .21 --	-- 14.0	16AF
05/21/75	5001		9.3 63	F 0.0 134	-- --	-- -- 0 56	-- 7.5 --	-- --	92
1500	5050		96 17	C		-- -- .00 .92	-- .21 --	-- 15.0	17AF
06/04/75	5001		0.7 70	F 7.9 101	-- --	-- -- 0 62	-- 11 --	-- --	113
1420	5050		97 21	C		-- -- .00 1.02	-- .31 --	-- 13.0	10AF
06/19/75	5001		0.5 88	F 0.0 146	-- --	-- -- 0 56	-- 24 --	-- --	80
1345	5050		93 20	C		-- -- .00 .92	-- .08 --	-- 13.0	19AF
07/02/75	5001		0.5 80	F 7.8 149	-- --	-- -- 0 58	-- 11 --	-- --	94
1245	5050		93 20	C		-- -- .00 .95	-- .31 --	-- 15.0	19AF

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	S.M. O DEPTH	SD SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	MG03	SO4	CL	NO3	0	F	703	7M	TURB SAR
R9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT										CONTINUED										
07/16/75 1215	5001 5050			8.4 95	72 22	F C	7.9	174	--	--	--	--	0 .00	59 .97	-- .39	14 --	-- 14.0	100	164F	
		3																		
08/13/75 1100	5001 5050			8.0 91	72 22	F C	8.0	357	--	--	--	--	0 .00	66 1.08	-- 1.78	63 --	-- 14.0	213	184F	
		3																		
08/26/75 0935	5001 5050			8.2 93	72 22	F C	7.0	342	--	--	--	--	0 .00	60 1.11	-- 1.61	57 --	-- 13.0	183	174F	
		3																		
09/02/75 1530	5001 5050			8.2 93	72 22	F C	8.0	270	--	--	--	--	0 .00	73 1.20	-- 1.10	39 --	-- 14.0	150	134F	
		3																		
09/16/75 1540	5001 5050			8.3 91	68 20	F C	8.0	246	--	--	--	--	0 .00	83 1.36	-- .68	24 --	-- 16.0	130	124F	
		3																		
R9 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																				
10/08/74 1000	5001 5050			8.2 88	66 19	F C	7.7	175	--	--	--	--	0 .00	62 1.02	-- .45	16 --	-- 14.4	104	174F	
		3																		
10/22/74 1015	5001 5050			8.0 84	64 18	F C	7.7	189	--	--	--	--	0 .00	56 .92	-- .56	20 --	-- --	117	154F	
		3																		
11/20/74 0900	5001 5050			9.0 85	55 13	F C	7.7	152	--	--	--	--	0 .00	58 .95	-- .34	12 --	-- 17.4	108	114F	
		3																		
12/10/74 1305	5001 5050			9.6 87	52 11	F C	7.6	145	--	--	--	--	0 .00	52 .85	-- .25	9.0 --	-- 16.8	85	264F	
		3																		
01/07/75 1215	5001 5050			11.0 90	45 7	F C	7.2	344	--	--	--	--	0 .00	52 .85	-- 1.61	57 --	-- 18.4	196	174F	
		3																		
02/05/75 1120	5001 5050			10.9 92	46 8	F C	7.3	257	--	--	--	--	--	--	--	35 .99	-- 18.6	150	174F	
		3																		
03/19/75 0730	5001 5050			10.0 90	52 11	F C	7.6	201	--	--	--	--	0 .00	78 1.28	-- 1.28	12 .34	-- 18.4	127	464F	
		3																		
04/02/75 0800	5001 5050			9.8 89	52 11	F C	7.9	146	--	--	--	--	0 .00	68 1.11	-- .19	6.6 --	-- 18.0	102	644F	
		3																		
04/22/75 1305	5001 5050			9.9 96	57 14	F C	7.9	174	--	--	--	--	0 .00	72 1.18	-- .27	9.7 --	-- 20.0	105	234F	
		3																		
05/07/75 1345	5001 5050			9.4 93	59 15	F C	7.8	146	--	--	--	--	0 .00	62 1.02	-- 1.02	6.5 .18	-- 14.0	78	224F	
		3																		
05/21/75 1300	5001 5050			9.2 95	63 17	F C	8.0	139	--	--	--	--	0 .00	59 .97	-- .19	6.6 --	-- 15.0	86	204F	
		3																		
06/04/75 1235	5001 5050			8.8 96	68 20	F C	7.9	163	--	--	--	--	0 .00	64 1.05	-- .31	11 --	-- 13.0	96	164F	
		3																		
06/18/75 1145	5001 5050			8.4 92	68 20	F C	7.8	132	--	--	--	--	0 .00	50 .82	-- .27	9.4 --	-- 13.0	86	214F	
		3																		
07/02/75 1040	5001 5050			8.5 93	68 20	F C	7.9	168	--	--	--	--	0 .00	59 .97	-- .97	17 .48	-- 14.0	106	244F	
		3																		
07/16/75 1015	5001 5050			7.7 86	70 21	F C	7.8	541	--	--	--	--	0 .00	60 .98	-- 3.33	118 --	-- 12.0	304	234F	
		3																		
08/13/75 0915	5001 5050			8.1 90	70 21	F C	8.0	1750	--	--	--	--	0 .00	68 1.11	-- 13.31	472 --	-- 15.0	1040	344F	
		3																		
08/26/75 0650	5001 5050			8.2 91	70 21	F C	7.9	912	--	--	--	--	--	--	--	224 6.32	-- 15.0	514	334F	
		3																		
09/02/75 1345	5001 5050			8.0 91	72 22	F C	7.9	190	--	--	--	--	0 .00	76 1.25	-- 1.18	42 --	-- 16.0	174	204F	
		3																		
09/16/75 1420	5001 5050			8.7 95	68 20	F C	8.0	354	--	--	--	--	0 .00	84 1.38	-- 1.58	56 --	-- 16.0	209	194F	
		3																		
R9 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																				
10/08/74 1220	5001 5050			8.5 89	64 18	F C	7.7	144	--	--	--	--	0 .00	58 .95	-- .27	9.4 --	-- 15.0	90	104F	
		3																		
10/22/74 1250	5001 5050			8.2 84	63 17	F C	7.5	132	--	--	--	--	0 .00	52 .85	-- .23	8.0 --	-- --	86	94F	
		3																		

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	MINERAL CONSTITUENTS IN EC	CA	MG	NA	K	CO3	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE HCO3	SO4	CL	NO3	B F S102	TO5 SUM	TH NCH	TURB SAR
89 0 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																			
										CONTINUED									
11/20/74 1140	S101 S150		8.8 83	55 13	F C	7.6 169	--	--	--	--	0 .00	58 .95	--	15 .42	--	-- 16.6	101		9AF
12/10/74 1550	S101 S150		9.5 84	50 10	F C	7.6 171	--	--	--	--	0 .00	54 .89	--	12 .34	--	-- 102	15AF		
01/07/75 1510	S101 S150		11.2 92	45 7	F C	7.6 193	--	--	--	--	0 .00	60 .98	--	14 .39	--	-- 18.0	121		12AF
02/05/75 1415	S101 S150		11.0 93	46 8	F C	7.3 186	--	--	--	--	--	--	--	13 .37	--	-- 18.6	110		21AF
03/19/75 1050	S101 S150		9.5 86	52 11	F C	7.6 232	--	--	--	--	0 .00	72 .59	--	21 .54	--	-- 17.4	138		33AF
04/02/75 1125	S101 S150		10.2 94	54 12	F C	7.7 143	--	--	--	--	0 .00	61 1.00	--	8.0 .23	--	-- 16.0	92		46AF
04/22/75 1625	S101 S150		9.9 96	57 14	F C	7.8 160	--	--	--	--	0 .00	64 1.05	--	9.2 .26	--	-- 19.0	101		17AF
05/07/75 1630	S101 S150		9.6 95	59 15	F C	7.7 122	--	--	--	--	0 .00	53 .87	--	4.5 .13	--	-- 14.0	70		14AF
05/21/75 1540	S101 S150		8.9 92	63 17	F C	7.8 143	--	--	--	--	0 .00	56 .92	--	11 .31	--	-- 14.0	88		16AF
06/04/75 1455	S101 S150		8.0 89	70 21	F C	7.7 161	--	--	--	--	0 .00	58 .95	--	12 .34	--	-- 13.0	97		16AF
06/18/75 1425	S101 S150		7.9 88	70 21	F C	7.6 137	--	--	--	--	0 .00	53 .87	--	12 .34	--	-- 13.0	80		17AF
07/02/75 1330	S101 S150		8.2 91	70 21	F C	7.7 145	--	--	--	--	0 .00	60 .98	--	9.9 .28	--	-- 16.0	96		17AF
07/16/75 1255	S101 S150		7.7 89	73 23	F C	7.7 149	--	--	--	--	0 .00	59 .97	--	9.0 .25	--	-- 16.0	93		13AF
08/13/75 1140	S101 S150		8.7 91	72 22	F C	7.9 152	--	--	--	--	0 .00	65 1.07	--	9.4 .27	--	-- 14.0	94		16AF
08/26/75 1015	S101 S150		7.8 89	72 22	F C	7.8 169	--	--	--	--	0 .00	84 1.38	--	10 .28	--	-- 15.0	101		11AF
09/02/75 1614	S101 S150		8.2 91	72 22	F C	7.8 160	--	--	--	--	0 .00	76 1.25	--	9.4 .27	--	-- 15.0	99		11AF
09/16/75 1650	S101 S150		8.5 93	68 20	F C	7.9 188	--	--	--	--	0 .00	84 1.38	--	11 .31	--	-- 17.0	98		9AF
89 0 805.0 124.1 WHITE SLOUGH AT CORREIA FERRY (SITE)																			
10/02/74 0714	S101 S150		7.8 84	66 19	F C	7.3 112	--	--	--	--	0 .00	58 .95	--	8.0 .23	--	-- 15.2	104F		
10/16/74 0705	S101 S150		8.4 88	61 16	F C	7.1 77	--	--	--	--	0 .00	54 .99	--	5.7 .18	--	-- 16.8	104F		
11/06/74 1140	S101 S150		8.3 89	57 14	F C	7.2 112	--	--	--	--	0 .00	52 .95	--	8.0 .23	--	-- 15.6	7AF		
11/16/74 0955	S101 S150		8.7 92	55 13	F C	7.3 95	--	--	--	--	0 .00	50 .92	--	9.0 .25	--	-- 17.6	8AF		
12/17/74 0930	S101 S150		9.7 84	48 9	F C	7.3 153	--	--	--	--	0 .00	58 .95	--	13 .37	--	-- 18.0	9AF		
01/21/75 1250	S101 S150		10.7 94	46 8	F C	7.3 195	--	--	--	--	0 .00	41 .67	--	17 .48	--	-- 21.6	10AF		
02/03/75 1200	S101 S150		11.2 94	46 8	F C	200	--	--	--	--	--	--	--	18 .51	--	-- 21.6	15AF		
89 0 805.1 144.3 SACRAMENTO RIVER AT EWMATON																			
10/08/74 1040	S101 S150		8.7 91	64 18	F C	7.8 148	--	--	--	--	0 .00	60 .98	--	9.5 .27	--	-- 14.8	78		16AF
10/22/74 1110	S101 S150		8.7 94	63 17	F C	7.6 135	--	--	--	--	0 .00	52 .85	--	9.0 .25	--	-- 87	12AF		



TABLE O-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	S.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER EQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TO5 SUM	TH NCH
99 D 805.1 144.3 SACRAMENTO RIVER AT EHMATON																			CONTINUED
11/20/74 0955	5001 5050	3	9.5 96	55 13	F C	7.7	141	--	--	--	--	0 .00	56 .92	--	10 .28	--	--	91	10AF
12/10/74 1350	5001 5050		3	9.6 85	50 10	F C	7.6	133	--	--	--	--	0 .00	50 .82	--	7.1 .20	--	--	81
01/07/75 1305	5001 5050	3	10.8 89	45 7	F C	7.6	191	--	--	--	--	0 .00	60 .98	--	13 .37	--	--	115	15AF
02/05/75 1220	5001 5050		3	10.8 91	46 8	F C	7.3	174	--	--	--	--	--	--	--	11 .31	--	--	97
03/19/75 0825	5001 5050	3	10.2 92	52 11	F C	7.6	189	--	--	--	--	0 .00	74 1.21	--	10 .28	--	--	109	40AF
14/02/75 0905	5001 5050		3	10.1 91	52 11	F C	7.8	149	--	--	--	--	0 .00	71 1.16	--	6.6 .19	--	--	90
04/22/75 1415	5001 5050	3	9.8 95	57 14	F C	7.9	172	--	--	--	--	0 .00	73 1.20	--	7.8 .22	--	--	103	24AF
05/07/75 1440	5001 5050		3	9.6 95	59 15	F C	7.7	131	--	--	--	--	0 .00	57 .93	--	4.3 .12	--	--	62
05/21/75 1355	5001 5050	3	9.2 95	63 17	F C	7.9	138	--	--	--	--	0 .00	60 .98	--	8.5 .24	--	--	96	18AF
08/04/75 1320	5001 5050		3	8.6 94	68 20	F C	7.9	155	--	--	--	--	0 .00	64 1.05	--	9.0 .25	--	--	92
08/18/75 1240	5001 5050	3	8.6 94	68 20	F C	7.7	128	--	--	--	--	0 .00	54 .89	--	6.6 .19	--	--	79	17AF
07/02/75 1135	5001 5050		3	8.8 94	66 19	F C	7.9	150	--	--	--	--	0 .00	64 1.05	--	10 .28	--	--	98
07/16/75 1110	5001 5050	3	8.2 93	72 22	F C	8.0	165	--	--	--	--	0 .00	62 1.02	--	12 .34	--	--	97	17AF
08/13/75 0955	5001 5050		3	8.2 91	70 21	F C	8.0	238	--	--	--	--	0 .00	66 1.08	--	32 .90	--	--	140
08/26/75 0750	5001 5050	3	8.3 92	70 21	F C	8.0	240	--	--	--	--	0 .00	74 1.21	--	28 .79	--	--	147	19AF
09/02/75 1420	5001 5050		3	8.5 96	72 22	F C	7.9	240	--	--	--	--	0 .00	76 1.25	--	30 .85	--	--	131
09/16/75 1440	5001 5050	3	8.8 96	68 20	F C	8.0	238	--	--	--	--	0 .00	86 1.41	--	24 .68	--	--	139	13AF
89 D 805.8 144.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																			
10/08/74 1300	5001 5050	3	8.8 94	66 19	F C	8.0	151	--	--	--	--	0 .00	60 .98	--	10 .28	--	--	88	10AF
10/22/74 1325	5001 5050		3	8.7 90	63 17	F C	7.7	132	--	--	--	--	0 .00	52 .85	--	8.0 .23	--	--	84
11/20/74 1225	5001 5050	3	9.0 85	55 13	F C	7.7	162	--	--	--	--	0 .00	56 .92	--	12 .34	--	--	106	9AF
12/10/74 1650	5001 5050		3	9.8 87	50 10	F C	7.6	154	--	--	--	--	0 .00	52 .85	--	9.4 .27	--	--	93
01/07/75 1550	5001 5050	3	11.3 93	45 7	F C	7.6	185	--	--	--	--	0 .00	60 .98	--	12 .34	--	--	122	13AF
02/05/75 1500	5001 5050		3	11.0 93	46 8	F C	7.3	193	--	--	--	--	--	--	--	14 .39	--	--	123
03/19/75 1125	5001 5050	3	9.7 88	52 11	F C	7.6	218	--	--	--	--	0 .00	71 1.16	--	17 .48	--	--	131	48AF
04/02/75 1200	5001 5050		3	10.2 92	52 11	F C	7.7	153	--	--	--	--	0 .00	62 1.02	--	9.9 .28	--	--	98
04/22/75 1655	5001 5050	3	10.0 97	57 14	F C	7.9	162	--	--	--	--	0 .00	66 1.08	--	9.2 .26	--	--	109	18AF
05/07/75 1700	5001 5050		3	9.9 98	59 15	F C	7.8	134	--	--	--	--	0 .00	56 .92	--	5.9 .17	--	--	74

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	PERCENT REACTANCE VALUE				B	F	TDS SUM	TH NCH	TURB SAR						
											HC03	SO4	CL	NO3											
89 0 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHMELL ISLAND CONTINUED																									
05/21/75	Su01		9.0	63	F 7.9	132	--	--	--	0	56	--	8.5	--	--	--	82	16AF							
1610	Su50	3	93	17	C					.00	.92		.24		14.0										
06/04/75	Su01		8.5	70	F 7.8	156	--	--	--	0	61	--	11	--	--	--	96	14AF							
1520	Su50	3	95	21	C					.00	1.00		.31		13.0										
06/18/75	Su01		8.4	68	F 7.4	139	--	--	--	0	50	--	11	--	--	--	92	17AF							
1500	Su50	3	92	20	C					.00	.82		.31		14.0										
07/02/75	Su01		8.6	68	F 7.8	148	--	--	--	0	58	--	9.9	--	--	--	105	17AF							
1405	Su50	3	94	20	C					.00	.95		.28		15.0										
07/16/75	Su01		8.2	72	F 7.9	157	--	--	--	0	60	--	10	--	--	--	93	14AF							
1400	Su50	3	93	22	C					.00	.98		.28		15.0										
08/13/75	Su01		8.1	72	F 7.9	225	--	--	--	0	65	--	28	--	--	--	125	16AF							
1210	Su50	3	92	22	C					.00	1.07		.79		15.0										
08/26/75	Su01		8.4	72	F 7.9	231	--	--	--	0	69	--	27	--	--	--	136	16AF							
1050	Su50	3	95	22	C					.00	1.13		.76		16.0										
09/02/75	Su01		8.6	72	F 7.9	233	--	--	--	0	74	--	28	--	--	--	126	14AF							
1645	Su50	3	98	22	C					.00	1.21		.79		14.0										
09/16/75	Su01		8.9	68	F 8.0	203	--	--	--	0	83	--	16	--	--	--	109	10AF							
1720	Su50	3	97	20	C					.00	1.36		.45		16.0										
89 0 805.9 135.2 SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING																									
10/02/74	Su01		8.4	66	F 7.5	152	--	--	--	0	60	--	10	--	--	--	94	12AF							
1000	Su50	3	90	19	C					.00	.98		.28		15.0										
10/08/74	Su01		8.5	64	F 7.7	140	--	--	--	0	56	--	9.0	--	--	--	87	9AF							
1230	Su50	3	89	18	C					.00	.92		.25		15.0										
10/17/74	Su01		8.3	64	F 7.5	130	--	--	--	0	54	--	9.0	--	--	--	90	11AF							
0950	Su50	3	87	18	C					.00	.89		.25		15.6										
10/22/74	Su01		8.9	63	F 7.5	127	--	--	--	0	52	--	7.1	--	--	--	84	10AF							
1305	Su50	3	92	17	C					.00	.85		.20		16.0										
11/07/74	Su01		8.6	57	F 7.5	177	--	--	--	0	58	--	16	--	--	--	112	8AF							
1415	Su50	3	83	14	C					.00	.95		.45		16.4										
11/19/74	Su01		9.3	55	F 7.6	156	--	--	--	0	56	--	11	--	--	--	99	9AF							
1120	Su50	3	88	13	C					.00	.92		.31		17.2										
11/20/74	Su01		9.0	55	F 7.6	155	--	--	--	0	56	--	12	--	--	--	96	8AF							
1200	Su50	3	85	13	C					.00	.92		.34		16.8										
12/10/74	Su01		9.6	50	F 7.6	173	--	--	--	0	54	--	12	--	--	--	105	15AF							
1610	Su50	3	85	10	C					.00	.89		.34		--										
01/07/75	Su01		11.0	45	F 7.5	191	--	--	--	--	--	--	13	--	--	--	116	15AF							
1530	Su50	3	90	7	C								.37		17.8										
02/04/75	Su01		11.2	46	F 7.9	203	--	--	--	0	78	--	13	--	--	--	114	11AF							
1325	Su50	3	94	8	C					.00	1.28		.37		19.0										
02/05/75	Su01		11.0	46	F 7.2	183	--	--	--	--	--	--	11	--	--	--	110	15AF							
1440	Su50	3	93	8	C								.31		18.6										
89 0 807.6 129.7 HOKELUMNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH																									
10/02/74	Su01		8.3	66	F 7.3	114	--	--	--	0	46	--	7.1	--	--	--	84F								
0820	Su50	3	89	19	C					.00	.75		.20		13.8										
10/17/74	Su01		8.3	63	F 7.4	106	--	--	--	0	46	--	6.6	--	--	--	94F								
0810	Su50	3	85	17	C					.00	.75		.19		15.2										
11/07/74	Su01		9.0	55	F 7.4	134	--	--	--	0	54	--	7.1	--	--	--	84F								
1245	Su50	3	85	13	C					.00	.89		.20		16.8										
11/19/74	Su01		9.4	55	F 7.5	120	--	--	--	0	52	--	7.1	--	--	--	94F								
0950	Su50	3	89	13	C					.00	.85		.20		16.2										
02/04/75	Su01		11.2	46	F 7.4	176	--	--	--	0	80	--	9.4	--	--	--	124F								
1145	Su50	3	94	6	C					.00	1.31		.27		18.0										
03/18/75	Su01		9.9	56	F 7.2		--	--	--	0	66	--	15	--	--	--	444F								
0800	Su50	3	87	10	C					.00	1.08		.42		17.6										

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. G DEPTH	OD SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	PERCENT REACTANCE VALUE	B	F	TDS SUM	TH NCH	TURB SAR
99 D 807.6 129.7 MOKELENE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH CONTINUED																				
04/01/75 0010	5001 SUS0		8.9 79	50 10	F C	7.8 122	--	--	--	--	0 .00	57 .93	--	7.1 .20	--	--	--	--	--	60AF
		3																		
04/16/75 0730	5001 SUS0		9.6 91	55 13	F C	7.6 137	--	--	--	--	--	--	--	6.3 .18	--	--	--	--	--	10AF
		3																		
05/01/75 0040	5001 SUS0		9.6 95	59 15	F C	7.7 106	--	--	--	--	0 .00	49 .80	--	3.6 .10	--	--	--	--	--	19AF
		3																		
05/15/75 0720	5001 SUS0		9.0 91	61 16	F C	7.8 110	--	--	--	--	0 .00	56 .92	--	3.9 .11	--	--	--	--	--	15AF
		3																		
06/03/75 1245	5001 SUS0		8.2 90	68 24	F C	7.5 83	--	--	--	--	0 .00	34 .56	--	6.1 .17	--	--	--	--	--	12AF
		3																		
06/17/75 1210	5001 SUS0		8.2 90	68 20	F C	7.6 107	--	--	--	--	0 .00	48 .79	--	6.6 .19	--	--	--	--	--	10AF
		3																		
07/01/75 1150	5001 SUS0		8.2 90	68 20	F C	7.6 140	--	--	--	--	0 .00	56 .92	--	9.4 .27	--	--	--	--	--	16AF
		3																		
07/15/75 1035	5001 SUS0		7.7 87	72 22	F C	7.7 150	--	--	--	--	0 .00	60 .98	--	9.0 .25	--	--	--	--	--	18AF
		3																		
08/12/75 0905	5001 SUS0		7.8 89	71.6 22.0C	F	7.7 143	--	--	--	--	0 .00	64 1.05	--	8.3 .23	--	--	--	--	--	14AF
		3																		
08/25/75 0745	5001 SUS0		7.3 83	72 22	F C	7.6 177	--	--	--	--	0 .00	76 1.25	--	10 .28	--	--	--	--	--	11AF
		3																		
09/11/75 0955	5001 SUS0		7.8 85	68 20	F C	8.0 182	--	--	--	--	0 .00	85 1.39	--	11 .31	--	--	--	--	--	10AF
		3																		
09/26/75 0940	5001 SUS0		7.4 82	70 21	F C		160	--	--	--	--	--	--	9.4 .27	--	--	--	--	--	10AF
		3																		
99 D 808.5 128.0 SYCAMORE SLOUGH NEAR MOUTH																				
10/02/74 0800	5001 SUS0		7.6 83	68 20	F C	7.5 137	--	--	--	--	0 .00	58 .95	--	9.0 .25	--	--	--	--	--	8AF
		3																		
10/17/74 0745	5001 SUS0		8.3 89	66 19	F C	7.6 123	--	--	--	--	0 .00	54 .89	--	8.0 .23	--	--	--	--	--	11AF
		3																		
11/07/74 1220	5001 SUS0		8.3 89	57 14	F C	7.6 111	--	--	--	--	0 .00	46 .75	--	7.1 .20	--	--	--	--	--	10AF
		3																		
11/19/74 0930	5001 SUS0		8.2 78	55 13	F C	7.5 110	--	--	--	--	0 .00	46 .75	--	6.6 .19	--	--	--	--	--	11AF
		3																		
02/04/75 1120	5001 SUS0		11.5 97	46 6	F C	7.3 177	--	--	--	--	0 .00	73 1.20	--	11 .31	--	--	--	--	--	12AF
		3																		
03/18/75 0730	5001 SUS0		8.4 78	54 12	F C	7.5 337	--	--	--	--	0 .00	47 .94	--	23 .65	--	--	--	--	--	17AF
		3																		
04/01/75 0750	5001 SUS0		7.7 76	52 11	F C	7.9 264	--	--	--	--	0 .00	115 1.88	--	21 .54	--	--	--	--	--	19AF
		3																		
04/16/75 0705	5001 SUS0		8.4 79	55 13	F C	7.5 209	--	--	--	--	--	--	--	14 .39	--	--	--	--	--	14AF
		3																		
05/01/75 0810	5001 SUS0		10.9 110	61 16	F C	8.5 135	--	--	--	--	1.0 .03	56 .92	--	7.3 .21	--	--	--	--	--	16AF
		3																		
05/15/75 0650	5001 SUS0		8.8 91	63 17	F C	7.8 93	--	--	--	--	0 .00	61 .87	--	3.9 .11	--	--	--	--	--	12AF
		3																		
06/03/75 1215	5001 SUS0		8.8 94	70 21	F C	8.0 85	--	--	--	--	0 .00	36 .54	--	5.7 .16	--	--	--	--	--	17AF
		3																		
06/17/75 1145	5001 SUS0		8.6 96	70 21	F C	7.8 90	--	--	--	--	0 .00	41 .67	--	5.2 .15	--	--	--	--	--	13AF
		3																		
07/01/75 1125	5001 SUS0		9.2 102	70 21	F C	8.0 100	--	--	--	--	0 .00	43 .70	--	7.1 .20	--	--	--	--	--	11AF
		3																		
07/15/75 1005	5001 SUS0		8.7 93	72 22	F C	7.9 125	--	--	--	--	0 .00	50 .82	--	8.0 .23	--	--	--	--	--	12AF
		3																		
08/12/75 0845	5001 SUS0		7.2 83	73.6 23.0C	F	7.6 126	--	--	--	--	0 .00	56 .92	--	7.5 .21	--	--	--	--	--	12AF
		3																		

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. 0 DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER EQUIVALENTS PER LITER					MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	PERCENT REACTANCE VALUE	8	F	TO5	TH	TURB
89 0 808.5 128.0 STACMORE SLOUGH NEAR MOUTH																				
											CONTINUED									
08/25/75	5001			7.9	73	F	7.6	134	--	--	0	61	--	9.4	--	--	--	--	--	9AF
0720	5050			91	23	C				+.00	1.00	--	.27	--	--	14.0				
3																				
09/11/75	5001			8.0	72	F	8.0	158	--	--	0	71	--	9.4	--	--	--	--	--	11AF
0930	5050			91	22	C				+.00	1.16	--	.27	--	--	15.0				
3																				
09/26/75	5001			8.5	72	F		155	--	--	--	--	--	11	--	--	--	--	--	10AF
0910	5050			96	22	C							.31	--	--	14.0				
3																				
89 0 808.7 133.4 MOKELUNNE RIVER, NORTH FORK, AT BROAD SLOUGH																				
10/02/74	5001			8.3	64	F	7.4	118	--	--	0	52	--	6.6	--	--	--	--	--	11AF
0850	5050			87	18	C				+.00	.85	--	.19	--	--	15.8				
3																				
10/17/74	5001			8.9	63	F	7.5	114	--	--	0	52	--	6.1	--	--	--	--	--	11AF
0840	5050			92	17	C				+.00	.85	--	.17	--	--	16.4				
3																				
11/07/74	5001			9.4	55	F	7.5	118	--	--	0	68	--	4.7	--	--	--	--	--	9AF
1310	5050			89	13	C				+.00	1.11	--	.13	--	--	17.4				
3																				
11/19/74	5001			9.7	54	F	7.7	113	--	--	0	52	--	4.2	--	--	--	--	--	9AF
1020	5050			90	12	C				+.00	.95	--	.12	--	--	18.2				
3																				
02/04/75	5001			10.6	46	F	7.6	195	--	--	0	71	--	13	--	--	--	--	--	80AF
1220	5050			89	8	C				+.00	1.16	--	.37	--	--	15.4				
3																				
89 0 809.0 135.8 GEORGIANA SLOUGH NEAR ISLETON																				
10/02/74	5001			8.5	64	F	7.4	121	--	--	0	54	--	5.7	--	--	--	--	--	14AF
0920	5050			89	18	C				+.00	.89	--	.16	--	--	16.0				
3																				
10/17/74	5001			8.3	63	F	7.5	109	--	--	0	52	--	4.7	--	--	--	--	--	10AF
0910	5050			85	17	C				+.00	.85	--	.13	--	--	16.4				
3																				
11/07/74	5001			9.5	55	F	7.5	117	--	--	0	54	--	5.2	--	--	--	--	--	8AF
1335	5050			90	13	C				+.00	.89	--	.15	--	--	17.4				
3																				
11/19/74	5001			9.7	55	F	7.7	113	--	--	0	52	--	4.7	--	--	--	--	--	10AF
1045	5050			92	13	C				+.00	.85	--	.13	--	--	18.2				
3																				
02/04/75	5001			10.5	46	F	7.7	148	--	--	0	57	--	8.0	--	--	--	--	--	132AF
1250	5050			88	8	C				+.00	.93	--	.23	--	--	14.8				
3																				
89 0 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																				
10/08/74	5001			8.8	63	F	7.9	117	--	--	0	52	--	6.6	--	--	--	75	--	10AF
1100	5050			91	17	C				+.00	.85	--	.19	--	--	15.4				
3																				
10/22/74	5001			8.9	61	F	7.6	118	--	--	0	50	--	5.7	--	--	--	84	--	8AF
1135	5050			90	16	C				+.00	.82	--	.16	--	--	--				
3																				
11/20/74	5001			9.5	55	F	7.7	122	--	--	0	54	--	6.6	--	--	--	85	--	7AF
1025	5050			90	13	C				+.00	.89	--	.19	--	--	17.6				
3																				
12/10/74	5001			9.7	50	F	7.6	141	--	--	0	54	--	7.1	--	--	--	83	--	21AF
1420	5050			86	10	C				+.00	.89	--	.20	--	--	16.4				
3																				
01/07/75	5001			11.4	45	F	7.6	170	--	--	0	62	--	9.4	--	--	--	109	--	10AF
1330	5050			94	7	C				+.00	1.02	--	.27	--	--	18.4				
3																				
02/05/75	5001			10.4	46	F	7.1	157	--	--	--	--	--	11	--	--	--	92	--	64AF
1245	5050			88	8	C						--	.31	--	--	15.6				
3																				
03/19/75	5001			10.4	50	F	7.6	164	--	--	0	69	--	8.0	--	--	--	97	--	46AF
0850	5050			92	10	C				+.00	1.13	--	.23	--	--	19.2				
3																				
04/02/75	5001			10.0	52	F	7.8	137	--	--	0	67	--	4.7	--	--	--	88	--	70AF
0935	5050			90	11	C				+.00	1.10	--	.13	--	--	20.0				
3																				
04/22/75	5001			9.8	57	F	7.9	182	--	--	0	79	--	8.2	--	--	--	112	--	20AF
1450	5050			95	14	C				+.00	1.29	--	.23	--	--	16.0				
3																				
05/07/75	5001			9.5	59	F	7.7	130	--	--	0	57	--	3.6	--	--	--	70	--	18AF
1505	5050			94	15	C				+.00	.93	--	.10	--	--	15.0				
3																				
05/21/75	5001			8.9	63	F	7.8	165	--	--	0	67	--	9.0	--	--	--	102	--	19AF
1425	5050			92	17	C				+.00	1.10	--	.25	--	--	16.0				
3																				
06/04/75	5001			8.5	71	F	7.8	140	--	--	0	61	--	6.1	--	--	--	87	--	8AF
1340	5050			95	21	C				+.00	1.00	--	.17	--	--	14.0				
3																				
06/18/75	5001			8.5	68	F	7.7	120	--	--	0	54	--	7.5	--	--	--	76	--	12AF
1305	5050			93	20	C				+.00	.89	--	.21	--	--	15.0				
3																				

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.P. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER						
						CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	B	F	TDS SUM	TH NCH	TURB SAR	
89 0 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																				CONTINUED
07/02/75 1200	5U01 5U50	3	8.7 95	68 21 C	7.8	150	--	--	--	--	0 .00	66 1.08	--	9.0 .25	--	-- 17.0	86		144F	
07/16/75 1135	5U01 5U50	3	8.3 94	72 22 C	7.8	152	--	--	--	--	0 .00	63 1.03	--	7.1 .20	--	-- 16.0	92		124F	
08/13/75 1020	5U01 5U50	3	8.4 94	70 21 C	7.9	149	--	--	--	--	0 .00	65 1.07	--	8.6 .24	--	-- 17.0	93		144F	
08/26/75 0830	5U01 5U50	3	8.0 91	72 22 C	7.8	169	--	--	--	--	0 .00	78 1.28	--	8.5 .24	--	-- 16.0	102		114F	
09/02/75 1450	5U01 5U50	3	8.5 95	70 21 C	7.9	198	--	--	--	--	0 .00	78 1.28	--	13 .37	--	-- 16.0	116		114F	
09/16/75 1505	5U01 5U50	3	8.5 93	68 20 C	7.9	197	--	--	--	--	0 .00	87 1.43	--	10 .28	--	-- 16.0	106		84F	
89 0 814.5 133.2 SACRAMENTO RIVER NEAR RYOE																				
10/03/74 0740	5U01 5U50	3	8.2 84	63 17 C	7.4	102	--	--	--	--	0 .00	52 .85	--	4.7 .13	--	-- 15.8			94F	
10/17/74 0730	5U01 5U50	3	8.8 89	61 16 C	7.4	100	--	--	--	--	0 .00	50 .82	--	5.7 .16	--	-- 16.8			84F	
11/07/74 1245	5U01 5U50	3	9.7 92	55 13 C	7.1	110	--	--	--	--	0 .00	68 1.11	--	4.7 .13	--	-- 19.0			84F	
11/19/74 1035	5U01 5U50	3	10.7 95	55 13 C	7.3	110	--	--	--	--	0 .00	54 .89	--	5.2 .15	--	-- 18.6			74F	
12/18/74 1000	5U01 5U50	3	10.6 94	50 11 C	7.5	119	--	--	--	--	0 .00	62 1.02	--	4.4 .12	--	-- 19.8			74F	
01/22/75 1310	5U01 5U50	3	10.8 91	46 6 C	7.5	160	--	--	--	--	0 .00	69 1.13	--	8.5 .24	--	-- 19.4			84F	
02/04/75 1235	5U01 5U50	3	10.5 88	46 8 C	7.5	116	--	--	--	--	0 .00	52 .85	--	6.6 .19	--	-- 16.0			1404F	
89 0 815.3 126.3 FOKELUMNE RIVER NEAR THORNTON																				
10/02/74 0625	5U01 5U50	3	8.5 89	64 18 C	7.1	41	--	--	--	--	0 .00	40 .66	--	3.3 .09	--	-- 11.6	38		24F	
10/16/74 0614	5U01 5U50	3	9.2 91	59 15 C	6.7	38	--	--	--	--	0 .00	22 .36	--	3.3 .09	--	-- 14.4	26		34F	
11/06/74 1050	5U01 5U50	3	11.4 115	57 14 C	6.7	35	--	--	--	--	0 .00	16 .26	--	1.9 .05	--	-- 12.2	44		44F	
11/18/74 0900	5U01 5U50	3	8.4 83	55 13 C	7.1	42	--	--	--	--	0 .00	22 .36	--	1.9 .05	--	-- 12.8	41		54F	
12/17/74 0835	5U01 5U50	3	10.5 91	46 4 C	7.2	81	--	--	--	--	0 .00	38 .62	--	3.3 .09	--	-- 13.2	62		34F	
01/21/75 1150	5U01 5U50	3	11.1 93	46 8 C	7.1	94	--	--	--	--	0 .00	37 .61	--	5.2 .15	--	-- 15.0	65		64F	
02/03/75 1045	5U01 5U50	3	10.3 87	46 8 C		148	--	--	--	--	--	--	--	7.1 .20	--	-- 10.6	98		2644F	
03/18/75 1305	5U01 5U50	3	10.3 95	54 12 C	7.3	130	--	--	--	--	0 .00	57 .93	--	3.8 .11	--	-- 16.2	80		274F	
04/01/75 1440	5U01 5U50	3	10.4 96	54 12 C	7.3	84	--	--	--	--	0 .00	37 .61	--	3.3 .09	--	-- 16.0	60		154F	
04/18/75 0920	5U01 5U50	3	10.4 94	52 11 C	7.2	66	--	--	--	--	0 .00	36 .59	--	1.9 .05	--	-- 11.0	37		64F	
05/01/75 0900	5U01 5U50	3	10.7 95	55 13 C	7.1	44	--	--	--	--	0 .00	22 .36	--	.8 .02	--	-- 11.0	49		44F	
05/15/75 0730	5U01 5U50	3	9.4 93	59 15 C	6.8	57	--	--	--	--	0 .00	29 .48	--	.3 .01	--	-- 10.0	47		114F	
06/03/75 1250	5U01 5U50	3	8.6 92	66 19 C	7.0	48	--	--	--	--	0 .00	21 .34	--	1.9 .05	--	-- 12.0	36		124F	

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	PERCENT HCO3	REACTION VALUE NO3	CL	B	F SIO2	TDS SUM	TM NCH	TURB SAR
89 0 815.3 126.3 MOSELUNNE RIVER NEAR THORNTON																		
CONTINUED																		
06/17/75 1150	5001 5050		9.2 64 18	F 7.1	49	--	--	--	--	0 .00	20 .33	--	2.8 .08	--	--	36	5AF	
		3																
07/01/75 1105	5001 5050		9.1 63 17	F 7.3	51	--	--	--	--	0 .00	22 .36	--	1.9 .05	--	--	40	3AF	
		3																
07/15/75 1025	5001 5050		7.9 68 20	F 7.3	57	--	--	--	--	0 .00	27 .44	--	1.9 .05	--	--	39	7AF	
		3																
08/12/75 0905	5001 5050		8.8 69 18	F 7.1	51	--	--	--	--	--	--	--	2.8 .08	--	--	36	5AF	
		3																
08/26/75 1435	5001 5050		8.7 68 20	F 7.1	58	--	--	--	--	--	--	--	2.8 .08	--	--	40	5AF	
		3																
09/11/75 0915	5001 5050		9.2 64 18	F 7.2	48	--	--	--	--	0 .00	18 .30	--	3.6 .11	--	--	36	4AF	
		3																
09/25/75 0910	5001 5050		9.5 63 17	F 6.9	51	--	--	--	--	0 .00	16 .26	--	3.8 .11	--	--	33	3AF	
		3																
89 0 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING																		
10/03/74 0650	5001 5050		8.5 63 17	F 7.2	105	--	--	--	--	0 .00	58 .95	--	4.7 .13	--	--	78	7AF	
		3																
10/17/74 0655	5001 5050		9.1 61 16	F 7.2	102	--	--	--	--	0 .00	60 .98	--	5.2 .15	--	--	71	8AF	
		3																
11/07/74 1200	5001 5050		9.5 55 13	F 6.9	119	--	--	--	--	0 .00	60 .98	--	6.1 .17	--	--	88	8AF	
		3																
11/19/74 0955	5001 5050		9.7 55 13	F 6.9	100	--	--	--	--	0 .00	42 .69	--	4.2 .12	--	--	76	9AF	
		3																
12/18/74 0915	5001 5050		10.4 48 9	F 7.4	122	--	--	--	--	0 .00	70 1.15	--	4.7 .13	--	--	90	8AF	
		3																
12/18/74 1300	5050 5050		10.5 50 11	F 7.3	125	10 .50	6.3 .52	8.6 .37	--	0 .00	66 1.08	7.9 .16	3.4 .16	.7 .01	.10 1	110 69	51 0	0.5
01/15/75 1345	5050 5050		11.1 47 93	F 7.2	132	12 .60	6.1 .50	9.0 .39	--	0 .00	67 1.10	9.2 .19	6.3 .18	.8 .01	.10 1	100 76	55 0	0.5
01/22/75 1225	5001 5050		10.8 46 8	F 7.5	202	--	--	--	--	0 .00	79 1.29	--	12 .34	--	--	120	8AF	
		3																
02/04/75 1145	5001 5050		10.8 46 8	F 7.4	107	--	--	--	--	0 .00	53 .87	--	6.1 .17	--	--	62	78AF	
		3																
02/19/75 1220	5050 5050		10.8 47 9	F 7.2	126	11 .55	6.2 .51	7.2 .31	--	0 .00	64 1.05	10 .21	5.9 .17	.9 .01	.00 1	94 73	53 1	0.4
03/18/75 1345	5001 5050		10.6 55 10	F 7.6	161	--	--	--	--	0 .00	67 1.10	--	5.7 .16	--	--	85	52AF	
		3																
03/19/75 1100	5050 5050		10.6 51 95	F 7.4	133	12 .60	6.6 .51	7.3 .32	--	0 .00	70 1.15	7.7 .16	5.4 .15	--	.10 1	87 74	57 0	0.4
04/01/75 1525	5001 5050		10.5 54 97	F 7.5	133	--	--	--	--	0 .00	60 .98	--	4.7 .13	--	--	94	80AF	
		3																
04/16/75 1200	5050 5050		10.5 55 94	F 7.3	133	11 .55	6.4 .53	8.2 .36	--	0 .00	64 1.05	9.9 .21	5.0 .14	.6 .01	.00 1	91 73	54 2	0.5
04/18/75 1655	5001 5050		10.5 54 97	F 7.3	139	--	--	--	--	0 .00	62 1.02	--	4.4 .12	--	--	81	33AF	
		3																
05/01/75 0900	5001 5050		10.1 57 94	F 7.5	117	--	--	--	--	0 .00	54 .89	--	3.1 .09	--	--	84	18AF	
		3																
05/15/75 1450	5001 5050		9.7 61 98	F 7.6	125	--	--	--	--	0 .00	55 .90	--	2.9 .08	--	--	84	14AF	
		3																
05/21/75 1200	5050 5050		9.1 61 10	F 7.4	122	10 .50	5.4 .44	8.8 .38	--	0 .00	58 .95	9.7 .20	5.8 .16	--	.00 1	71 68	47 0	0.4
06/03/75 1105	5001 5050		9.7 66 93	F 7.5	142	--	--	--	--	0 .00	36 .42	--	6.1 .17	--	--	77	9AF	
		3																
06/17/75 1010	5001 5050		8.4 66 94	F 7.6	110	--	--	--	--	0 .00	52 .85	--	4.2 .12	--	--	71	9AF	
		3																

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	MINERAL EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER								
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS	TH	TURB	SAR		
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING																			CONTINUED				
06/18/75 1245	5U50 5U50		9.1 98	67.0F 19.4C	7.4 7.8	106 108	8.6 .43 39	4.5 .37 34	6.9 .30 27	-- -- --	0 .00	51 .84 82	2.8 .06 6	4.7 .13 13	-- -- --	.00 --	+1 --	69 53	40 0	8A 0.5			
07/01/75 0955	5U01 5U50		8.4 90	66 F 19 C	7.8	152	--	--	--	--	0 .00	68 1.11	--	6.6 .19	--	-- 17.0	--	96		10AF			
07/15/75 0915	5U01 5U50		8.1 90	70 F 21 C	7.8	138	--	--	--	--	0 .00	89 1.46	--	5.2 .15	--	-- 15.0	--	86		9AF			
07/16/75 1230	5U50 5U50		9.6 108	71 F 22 C	7.5 7.8	117 127	9.7 .48 39	5.4 .44 36	7.2 .31 25	-- -- --	0 .00	60 .98 77	7.9 .16 13	5.0 .14 11	-- -- --	.10 --	+1 --	101 65	46 0	8A 0.5			
08/12/75 1110	5U01 5U50		8.8 98	69.8F 21.0C	6.8	146	--	--	--	--	--	--	--	6.7 .19	--	-- 16.0	--	92		8AF			
08/20/75 1200	5U50 5U50		8.0 87	68.0F 20.0C	7.3 7.6	144 168	12 .60 37	6.8 .56 34	11 .48 29	-- -- --	0 .00	76 1.25 76	9.0 .12 12	7.2 .20 12	.4 .01 1	.10 --	+1 --	90 84	58 0	9A 0.6			
08/26/75 0850	5U01 5U50		8.4 92	68 F 20 C	7.3	164	--	--	--	--	--	--	--	8.5 .24	--	-- 18.0	--	104		9AF			
09/11/75 0805	5U01 5U50		7.8 85	68 F 20 C	7.5	187	--	--	--	--	0 .00	68 1.11	--	9.4 .27	--	-- 18.0	--	110		12AF			
09/17/75 1330	5U50 3050		7.6 84	69 F 21 C	7.4 7.7	163 178	11 .55 31	8.4 .69 39	12 .52 30	-- -- --	0 .00	80 1.31 74	10 .21 12	8.2 .23 13	.5 .01 1	.00 --	+1 --	103 89	62 0	8A 0.7			
09/25/75 0815	5U01 5U50		7.7 84	68 F 20 C	7.5	124	--	--	--	--	0 .00	55 .90	--	8.5 .24	--	-- 17.0	--	102		10AF			
03 L 540.8 039.7 EAGLE LAKE NEAR SUSANVILLE																							
10/09/74 0935	5U50		8.0 95	59.0F 15.0C	9.1	877	--	--	--	--	--	--	--	--	--	--	--			1AF			
12/10/74 0940	5U50		8.6 94	37.4F 3.0C	9.2	893	--	--	--	--	--	--	--	--	--	--	--			1AF			
04/16/75 0900	5U50		9.9 85	35.6F 2.0C	9.1		--	--	--	--	--	--	--	--	--	--	--			1AF			
06/04/75 0930	5U50		8.3 105	64.4F 18.0C	9.0	784	--	--	--	--	--	--	--	--	--	--	--			1AF			
04 L 516.5 027.1 HONEY LAKE NEAR BUNTINGVILLE																							
01/08/75 1345	5U50 5U50		11.6 104	41.0F 5.0C	9.2 9.2	4590 4500	--	--	--	--	154 46.55 97	985 5.13 16.14	--	623 17.57	--	4.60 --	--	66 57.3	98A 57.3				
05/07/75 0910	5U50 5U50		9.2 97	52.7F 11.5C	9.1 9.1	4200	--	--	--	--	123 40.89 97	949 15.55	--	554 15.62	--	4.60 --	--	57 56.2	360A 56.2				
07/15/75 1150	5U50		7.9 95	64.4F 18.0C	9.3	5790	--	--	--	--	--	--	--	--	--	--	--			270AF			
09/16/75 1210	5U50 5U50		8.4 116	77.0F 25.0C	9.6 9.3	7140 7040	--	--	--	--	1700 73.95 99	1430 10.67 23.44	--	940 26.51	--	7.90 --	--	51 103.6	132A 103.6				
04 L 1590.01 SUSAN RIVER NEAR LITCHFIELD																							
10/09/74 1045	5U50		10.5 121	59.9F 15.5C	8.1	403	--	--	--	--	--	--	--	--	--	--	--			6AF			
11/06/74 1530	5U50 5U50		12.3 125	50.0F 10.0C	8.3 8.3	176 402	--	--	--	--	0 .00	215 3.52	--	8.1 .23	--	.10 --	--	106		8A 2.0			
12/10/74 1110	5U50		12.2 107	39.2F 4.0C	8.3	352	--	--	--	--	--	--	--	--	--	--	--			6AF			
01/13/75 1510	5U50 5U50		11.1 102	42.8F 6.0C	8.2 8.3	395 397	--	--	--	--	0 .00	216 3.54	--	7.5 .21	--	.10 --	--	109		6A 1.9			
02/19/75 1215	5U50		10.1 88	39.2F 4.0C	8.0	384	--	--	--	--	--	--	--	--	--	--	--			26AF			
03/19/75 1535	5U50 5U50		10.1 98	46.4F 8.0C	7.9 7.8	164 169	--	--	--	--	0 .00	90 1.48	--	4.2 .12	--	.00 --	--	60		250A 0.9			
04/16/75 1130	5U50		9.9 93	44.6F 7.0C	8.1	232	--	--	--	--	--	--	--	--	--	--	--			16AF			
05/07/75 0805	5U50 5U50		9.2 91	48.2F 9.0C	7.8 7.8	172	--	--	--	--	0 .00	96 1.57	--	3.1 .04	--	.00 --	--	56		10A 0.8			



TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE	8 SIO2	F SUM	TO5 NCH	TH SAR	TURB 5AR
*****	*****	*****	*****	*****	*****	CA MG NA K CO3 MCO3 SO4 CL NO3	*****	*****	*****	*****	*****	*****	*****
G4 1590.01 SUSAN RIVER NEAR LITCHFIELD													
CONTINUED													
06/04/75 1110	SUSO	447E	8.2 97	62.6F 17.0C	8.0 122	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	20AF
07/15/75 133n	SUSO	60E	9.5 117	66.2F 19.0C	8.2 454	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	4AF
08/07/75 0945	SUSO	107E	9.7 117	64.4F 18.0C	8.4 448	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	5AF
09/16/75 1345	SUSO SUSO	87E	10.7 144	74.3F 23.5C	8.3 490	-- -- -- -- --	60 2.61 51	-- 0 258 .00 4.23	-- 8.9 .25	-- .20	-- --	125	1A 2.3
G4 1600.00 SUSAN RIVER AT SUSANVILLE													
10/09/74 1145	SUSO	12	9.6 99	53.9F 10.5C	7.8 169	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	1AF
11/06/74 1430	SUSO	1.42 14	11.9 110	42.8F 6.0C	7.6 159	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	2AF
12/10/74 1200	SUSO	1.48 17	13.2 110	35.6F 2.0C	7.9 164	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	2AF
01/13/75 143n	SUSO	1.59 20	12.6 102	33.8F 1.0C	8.2 157	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	2AF
02/19/75 1300	SUSO	40	11.6 97	35.6F 2.0C	7.9 145	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	4AF
03/19/75 1635	SUSO SUSO	3.67 390	16.2 97	30.2F 4.0C	7.2 75	-- -- -- -- --	3.2 .14 17	-- 0 41 .00 .67	-- 1.9 .05	-- .00	-- --	35	50A 0.2
04/16/75 1015	SUSO	2.63 111	11.6 109	39.2F 4.0C	7.9 103	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	1AF
05/07/75 0715	SUSO	3.38 275	11.3 95	36.5F 2.5C	7.4 85	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	5AF
06/04/75 1210	SUSO	3.85 432	8.7 100	54.0F 15.0C	7.6 59	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	7AF
07/15/75 1235	SUSO	1.46 46	8.4 100	62.6F 17.0C	8.3 89	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	10AF
08/07/75 105n	SUSO SUSO	2.40 93	8.7 104	62.6F 17.0C	7.7 63 61	-- -- -- -- --	2.3 .10 16	-- 0 35 .00 .57	-- 2.0 .00	-- .00	-- --	26	10A 0.2
09/16/75 142n	SUSO	2.18 67	8.1 99	64.4F 18.0C	8.1 76 76	-- -- -- -- --	2.8 .12 14	-- 0 45 .00 .74	-- .00	-- .00	-- --	36	1A 0.2
G6 1705.00 LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION													
11/02/74 115n	SUSO	2.41 36	11.2 117	54.0F 10.0C	8.9 230	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	1AF
01/13/75 123n	SUSO SUSO	2.70 2.4	10.5 97	41.0F 5.0C	7.8 276 285	-- -- -- -- --	19 .83 27	-- 0 108 .00 2.75	-- 3.4 .10	-- .00	-- --	111	1A 0.8
03/20/75 092n	SUSO SUSO	2.79 7.0	11.7 97	34.0F 1.0C	6.0 228 234	-- -- -- -- --	14 .61 24	-- 0 140 .00 2.29	-- 3.8 .11	-- .10	-- --	97	15A 0.6
05/07/75 143n	SUSO SUSO	3.16 34	9.1 100	53.6F 12.0C	8.1 185 186	-- -- -- -- --	9.0 .39 21	-- 0 108 .00 1.77	-- .6 .02	-- .00	-- --	74	13A 0.5
07/15/75 1015	SUSO	2.30 1.8	8.9 101	57.2F 14.0C	8.2 285	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	1AF
09/16/75 1050	SUSO	2.24 1.6	8.9 115	64.0F 20.0C	8.3 284	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- --	-- --	-- --	-- --	1AF
G7 L 856.3 00P.5 LAKE TAHOE AT TAHOE KEYS PIER (S-11)													
05/14/75 1025	SUSO SUSO	9.5 104	49.1F 9.5C	7.4	79 94	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	1.5 .94	-- --	-- --	-- --	0.48A
G7 L 856.3 00P.3 LAKE TAHOE AT CAMP RICHARDSON - EDWARDS PIER (S-4A)													
05/14/75 094n	SUSO SUSO	9.5 101	46.8F 8.2C	7.4	76 91	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	1.4 .04	-- --	-- --	-- --	0.16A

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	O.M. DEPTH	00 SAT	TSP	FIELD LABORATORY		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
					PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	7	105
GT L 857.0 958.0 2 LAKE TAMOE AT SUNF AND SANDS PIER (S-10)																		
05/14/75 1105	5U5N 5U50		9.4 102	48.7F 9.3C	7.4	85	--	--	--	--	--	--	1.6 .05	--	--	--	--	0.02A
GT L 857.6 957.1 LAKE TAMOE AT STATELINE - LAKESIDE MARINA PIER(S-13)																		
05/14/75 1220	5U5N 5U50		9.8 107	48.9F 9.4C	7.5	90	--	--	--	--	--	--	2.0 .06	--	--	--	--	0.76A
GT L 900.0 000.0 LAKE TAMOE - SOUTH CENTER (C-1)																		
05/14/75 1120	5U5N 5U5N		9.5 103	48.7F 9.3C	7.7	90	--	--	--	--	--	--	1.6 .05	--	--	--	--	0.36A
GT L 900.4 956.9 LAKE TAMOE AT ZEPHYR COVE PIER (S-8)																		
05/14/75 1310	5U5N 5U50		9.5 104	48.9F 9.4C	7.4	90	--	--	--	--	--	--	1.4 .04	--	--	--	--	0.46A
GT L 900.9 006.8 2 LAKE TAMOE AT RUBICON BAY PIER (S-2)																		
05/14/75 0840	5U5N 5U5N		9.5 100	48.4F 8.0C	7.4	79	--	--	--	--	--	--	1.6 .05	--	--	--	--	0.58A
GT L 905.3 956.4 LAKE TAMOE AT GLENBROOK BAY PIER (S-3)																		
05/14/75 1150	5U5N 5U50		9.3 103	49.0F 9.9C	7.5	96	--	--	--	--	--	--	2.4 .07	--	--	--	--	0.81A
GT L 907.8 009.2 LAKE TAMOE AT WARD CREEK PIER (S-11)																		
05/14/75 0700	5U50 5U50		9.5 97	43.9F 8.6C	7.4	88	--	--	--	--	--	--	1.5 .04	--	--	--	--	0.21A
GT L 908.7 000.3 LAKE TAMOE - NORTH CENTER (C-2)																		
05/14/75 0805	5U5N 5U50		9.5 101	47.1F 8.4C	7.6	92	--	--	--	--	--	--	1.6 .05	--	--	--	--	0.37A
GT L 910.8 007.1 2 LAKE TAMOE AT US COAST GUARD PIER (S-5)																		
05/14/75 0755	5U5N 5U50		9.0 101	44.2F 8.0C	7.4	86	--	--	--	--	--	--	1.5 .04	--	--	--	--	1.10A
GT L 913.4 004.9 LAKE TAMOE AT CARNELIAN BAY - SIERRA HOAT CO (S-14)																		
05/14/75 0840	5U50 5U50		9.5 102	44.0F 8.9C	7.5	90	--	--	--	--	--	--	1.7 .05	--	--	--	--	0.61A
GT L 914.2 002.3 LAKE TAMOE AT KINGS REACH PIER (S-7)																		
05/14/75 0920	5U5N 5U50		9.5 102	47.5F 8.6C	7.5	90	--	--	--	--	--	--	1.6 .05	--	--	--	--	0.54A
GT L 914.2 956.6 LAKE TAMOE AT KINGS CASTLE PIER (S-4)																		
05/14/75 1020	5U50 5U5N		9.5 103	48.0F 9.2C	7.5	86	--	--	--	--	--	--	1.4 .04	--	--	--	--	0.53A
GT 1195.00 THUCKEE RIVER AT FARM																		
05/09/75 0830	5U50 5U50	5.31 2310	9.5 90	42 F 6 C	7.3 7.7	88 88	8.6 .43	7.0 .25	4.5 .20	-- .00	45 .74	--	2.5 .07	--	--	66 0	34 0.3	4A 0.3
05/24/75 0830	5U5N 5U50	3.13 655	8.5 94	55 F 13 C	7.4 7.8	80 85	8.6 .43	2.6 .21	4.2 .18	-- .00	45 .74	--	1.0 .03	--	--	62 0	32 0.3	0A 0.3
GT 3020.01 HURTON CREEK IN STAW HARBOR (T-6)																		
05/07/75 1040	5U50 5U50		10.4 97	37.0F 3.2C	7.3	100	--	--	--	--	--	--	4.8 .14	--	--	--	--	3.5A
GT 3050.01 MARO CREEK NEAR MOUTH (T-5)																		
05/07/75 0937	5U50 5U50		4.41 90	10.7 2.9C	37.2F 7.3	60	--	--	--	--	--	--	.0 .00	--	--	--	--	0.87A
GT 3160.01 MADUEN CREEK NEAR MOUTH (T-10)																		
05/07/75 0905	5U50 5U50		11.78 97	10.7 2.1C	35.0F 7.3	54	--	--	--	--	--	--	.0 .00	--	--	--	--	0.23A
GT 3230.01 TIMBO CREEK NEAR MOUTH (T-6)																		
05/07/75 1050	5U50 5U50		2.30 800	9.9 100	43.3F 6.3C	80	--	--	--	--	--	--	3.6 .10	--	--	--	--	4.5A

TABLE D-2 (CONTINUED)  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLE LAB	G.M. DEPTH	00 SAT	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	T05 SUM	TH NCN	TURB SAR
*****																			
07		3253.01	INCLINE CREEK AT INCLINE VILLAGE (T-2)																
05/07/75	5050	1.80	10.0	41.5F	7.2	75	--	--	--	--	--	--	3.6	--	--	--		0.5A	
1030	5050	12	9R	5.3C	84								.10	--	--	--			
07		3300.01	GENERAL CREEK NEAR WEEKS BAY (T-3)																
05/07/75	5050	0.41	10.8	34.9F	7.3	32	--	--	--	--	--	--	.0	--	--	--		0.24A	
0825	5050	10	96	1.6C	33								.00	--	--	--			
07		3571.01	TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)																
05/07/75	5050	10.0	37.8F	7.4	26	--	--	--	--	--	--	--	.0	--	--	--		0.40A	
0725	5050	40	93	3.2C	27								.00	--	--	--			
07		3679.90	EDGEWOOD CREEK AT MOUTH (T-7A)																
05/07/75	5050	11.3	44.1F	8.3	111	--	--	--	--	--	--	--	12	--	--	--		5.5A	
0840	5050	8.0	115	6.7C	141								.34	--	--	--			
07		3680.00	EDGEWOOD CREEK AT HIGHWAY 50 (T-7)																
05/07/75	5050	1.04	10.2	37.9F	7.3	110	--	--	--	--	--	--	12	--	--	--		4.0A	
0915	5050	8.0	95	3.3C	134								.34	--	--	--			
07		3765.01	UPPER TRUCKEE RIVER NEAR MOUTH (T-1)																
05/07/75	5050	9.8	34.7F	6.8	55	--	--	--	--	--	--	--	4.1	--	--	--		2.0A	
0715	5050	50	87	1.5C	62								.12	--	--	--			
07		3810.00	TROUT CREEK AT SOUTH LAKE TAHOE (T-9)																
05/07/75	5050	1.68	10.3	35.4F	6.9	50	--	--	--	--	--	--	1.1	--	--	--		4.0A	
0800	5050	25	92	1.9C	61								.03	--	--	--			
08		2300.00	CARSON RIVER, WEST FORK, AT WOODFORDS																
05/08/75	5050	1.96	10.4	37	F 7.3	56	6.2	1.6	2.6	--	0	30	--	.4	--	--	50	22 0A	
0945	5050	141	94	3	C 7.2	56	.21	.13	.11	.00	.49	--	.01	--	--	--	0	0.2	
							56	24	20										
09/23/75	5050	0.94	8.5	50	F 7.5	74	8.4	2.2	3.8	--	0	44	--	.0	--	--	70	30 0A	
0920	5050	22	92	10	C 7.4	78	.42	.19	.17	.00	.72	--	.00	--	--	--	0	0.3	
							55	23	22										
08		3420.20	CARSON RIVER, EAST FORK, AT HIGHWAY 4																
05/08/75	5050	10.1	0	F 7.7	121	12	3.9	7.9	--	0	62	--	1.2	--	--	--	86	46 7A	
1045	5050	40	18	C 7.6	125	.60	.32	.34	--	.00	1.02	--	.03	--	--	--	0	0.5	
							48	25	27										
09/23/75	5050	8.8	53	F 7.8	107	17	3.2	7.0	--	0	63	--	1.0	--	--	--	89	43 0A	
0945	5050	80E	98	12	C 7.5	119	.60	.26	.30	.00	1.03	--	.03	--	--	--	0	0.5	
							52	22	26										
09		2460.00	WEST WALKER RIVER BELOW LITTLE WALKER RIVER																
05/08/75	5050	2.10	8.7	52	F 8.3	180	17	3.8	15	--	0	90	--	5.2	--	--	119	58 1A	
134C	5050	260	100	11	C 8.2	182	.85	.31	.65	.00	1.48	--	.15	--	--	--	0	0.9	
							47	17	36										
09/23/75	5050	1.22	8.8	56	F 8.0	164	17	4.3	12	--	0	91	--	1.5	--	--	112	60 5A	
1130	5050	86	107	13	C 7.6	175	.85	.35	.52	.00	1.49	--	.04	--	--	--	0	0.7	
							49	20	30										
09		3200.00	EAST WALKER RIVER NEAR BRIDGEPOR																
05/08/75	5050	2.04	9.2	48	F 8.1	225	22	5.1	17	--	0	116	--	3.5	--	--	151	76 3A	
1500	5050	300	100	9	C 8.2	227	1.10	.42	.74	.00	1.90	--	.10	--	--	--	0	0.8	
							49	19	33										
09/23/75	5050	1.19	6.3	62	F 7.5	183	23	4.5	10	--	0	109	--	.0	--	--	138	76 21A	
1215	5050	115	81	17	C 7.6	199	1.15	.37	.44	.00	1.79	--	.00	--	--	--	0	0.5	
							59	19	22										

TABLE D-3  
MINOR ELEMENT ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for SWRCB  
5001 - U. S. Bureau of Reclamation  
5050 - California Department of Water Resources

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock  
DISCH - Instantaneous discharge in cubic feet per second  
EC - Electrical Conductance in micromhos at 25° Celsius  
TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)  
PH - Measure of acidity (<7) or alkalinity (>7) of water  
CHROM (ALL) - All chromium  
CHROM (HEX) - Hexavalent chromium  
D - Dissolved  
T - Total

TABLE D-3 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	CISCH EC	TEMP PM	ARSENIC	CONSTITUENTS IN MILLIGRAMS BARIUM CHROMIUM (ALL) CADIUM CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
AQ 2230.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN										
04/23/75 1315	5:00 5:30			15.0C 8.0	--	0.00 T --	0.01 T 2.3 T	0.00 T 0.04 T	--	-- 0.02 T
AQ 2785.00 SACRAMENTO RIVER AT BEND BRIDGE										
05/21/75 1320	5:30 5:30			12.0C 7.4	--	0.00 T --	0.01 T 0.49 T	0.00 T 0.01 T	--	-- 0.04 T
AQ 2933.00 R-D 108 DRAINAGE TO SACRAMENTO RIVER										
04/23/75 1200	5:30 5:30			16.0C 8.4	--	0.00 T --	0.01 T 2.9 T	0.00 T 0.20 T	--	-- 0.02 T
AQ 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING										
04/23/75 1045	5:30 5:30			16.0C 8.2	--	0.00 T --	0.02 T 9.0 T	0.01 T 0.19 T	--	-- 0.02 T
AQ 2950.00 R-D 787 DRAINAGE TO COLUSA BASIN DRAIN										
04/23/75 1025	5:30 5:30			16.0C 8.3	--	0.00 T --	0.01 T 1.8 T	0.01 T 0.17 T	--	-- 0.01 T
AQ 2955.00 R-D 787 DRAINAGE TO SACRAMENTO RIVER										
04/23/75 1230	5:30 5:30			16.0C 8.0	--	0.00 T --	0.01 T 2.6 T	0.01 T 0.44 T	--	-- 0.01 T
AQ 2965.00 R-D 70 DRAINAGE TO SACRAMENTO RIVER										
04/23/75 1130	5:30 5:30			15.0C 8.0	--	0.00 T --	0.01 T 4.2 T	0.00 T 0.16 T	--	-- 0.02 T
AQ 2972.00 HUTTE SLOUGH NEAR MERTJIAN										
04/23/75 1045	5:30 5:30			15.0C 7.4	--	0.00 T --	0.01 T 3.7 T	0.00 T 0.19 T	--	-- 0.01 T
AQ 2974.00 COLUSA BASIN DRAIN AT HIGHWAY 20										
04/23/75 0905	5:30 5:30			16.0C 8.0	--	0.00 T --	0.01 T 3.4 T	0.01 T 0.16 T	--	-- 0.02 T
AQ 3521.50 COTTONWOOD CREEK AT COTTONWOOD										
04/21/75 0915	5:30 5:30			13.0C 7.0	--	0.00 T --	0.00 T 0.52 T	0.00 T 0.02 T	--	-- 0.01 T
AQ 4321.01 DEER CREEK AT HIGHWAY 99E										
04/22/75 1245	5:30 5:30			14.0C 7.8	--	0.00 T --	0.00 T 0.06 T	0.00 T 0.01 T	--	-- 0.00 T
AQ 4421.50 MILL CREEK NEAR MOUTH NEAR LOS MOLINOS										
05/02/75 1210	5:30 5:30			14.0C 7.6	--	0.00 T --	0.00 T 0.13 T	0.00 T 0.01 T	--	-- 0.01 T
AQ 7147.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT										
02/04/75 1020	2103 5:30	1R30 57	48 F 7.1	--	--	--	-- 0.74 T	--	--	--
02/18/75 1030	2103 5:30	51	47 F 7.1	0.00 T	0.00 T	0.00 T	0.00 T 0.20 T	0.00 T 0.02 T	0.0000 T	-- 0.01 T
03/04/75 0900	2103 5:30	4306 40	49 F 7.1	--	--	--	0.39 T	--	--	--
03/18/75 0830	2103 5:30	602A 42	49 F 7.1	0.00 T	0.00 T	0.00 T	0.02 T 0.28 T	0.01 T 0.01 T	--	-- 0.04 T
04/08/75 0845	2103 5:30	8403 42	48.5F 7.2	--	--	--	0.37 T	--	--	--
04/22/75 0815	2103 5:30	4594 40	51.5F 7.1	0.00 T	0.00 T	0.00 T	0.00 T 0.21 T	0.00 T 0.01 T	0.0000 T	-- 0.00 T
05/06/75 0915	2103 5:30	4718 49	54.1F 7.2	--	--	--	0.18 T	--	--	--
05/26/75 0850	2103 5:30	4590 50	54.1F 7.2	0.00 T	0.00 T	0.00 T	0.03 T 1.20 T	0.01 T 0.01 T	--	-- 0.03 T
06/10/75 0919	2103 5:30	4619 52	61.1F 7.1	--	--	--	0.16 T	--	--	--
06/24/75 0900	2103 5:30	2692 48	58 F 7.1	0.00 T	0.00 T	0.00 T	0.02 T 0.14 T	0.01 T 0.01 T	0.0000 T	-- 0.04 T
07/08/75 0845	2103 5:30	2892 48	61.1F 7.1	--	--	--	0.13 T	--	--	--
07/22/75 0930	2103 5:30	2892 48	63.1F 7.1	0.00 T	0.00 T	0.00 T	0.00 T 0.09 T	0.00 T 0.01 T	--	-- 0.00 T
08/05/75 0900	2103 5:30	2412 45	64.1F 7.0	--	--	--	0.14 T	--	--	--
08/19/75 0915	2103 5:30	1908 45	63 F 7.1	0.00 T	0.00 T	0.00 T	0.05 T 0.15 T	0.01 T 0.01 T	0.0000 T	-- 0.04 T
09/02/75 0845	2103 5:30	1885 48	65 F 7.1	--	--	--	0.16 T	--	--	--
09/16/75 0900	2103 5:30	1908 45	63 F 7.1	0.00 T	0.00 T	0.00 T	0.02 T 0.16 T	0.02 T 0.01 T	0.0000 T	-- 0.03 T

TABLE D-3 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS BARIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEA)	PEN LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
40 7100.00 AMERICAN RIVER BELOW HINDUS DAM											
02/04/75 2103 0930 5:30			2010.4 65	48 F 7.2	--	--	--	0.44 T	--	--	--
02/18/75 2103 0930 5:50			7510.4 50	47.5 F 7.1	0.00 T	0.00 T	0.00 T 0.19 T	0.00 T 0.01 T	0.0000 T	0.01 T	--
03/04/75 2103 0830 5:50			4030 57	49 F 7.2	--	--	--	0.29 T	--	--	--
03/18/75 2103 0730 5:50			5110 60	48.5 F 7.2	0.00 T	0.00 T	0.00 T 0.21 T	0.01 T 0.01 T	--	--	0.00 T
04/08/75 2103 0800 5:30			7440 62	48 F 7.2	--	--	--	0.42 T	--	--	--
04/22/75 2103 0945 5:30			5090 64	51.5 F 7.2	0.00 T	0.00 T	0.00 T 0.19 T	0.00 T 0.01 T	0.0000 T	--	0.00 T
05/06/75 2103 0820 5:30			5330 62	53.0 F 7.2	--	--	--	0.14 T	--	--	--
05/20/75 2103 0400 5:30			5160 57	54.0 F 7.2	0.00 T	0.00 T	0.00 T 0.16 T	0.01 T 0.01 T	--	--	0.00 T
06/10/75 2103 0815 5:50			5200 48	56.0 F 7.1	--	--	--	0.09 T	--	--	--
06/24/75 2103 0800 5:30			3520 44	57 F 7.1	0.00 T	0.00 T	0.00 T 0.09 T	0.00 T 0.01 T	0.0000 T	--	0.00 T
07/08/75 2103 0800 5:30			3520 44	59.0 F 7.2	--	--	--	0.10 T	--	--	--
07/22/75 2103 0800 5:30			3500 43	61.0 F 7.4	0.00 T	0.00 T	0.01 T 0.07 T	0.00 T 0.01 T	--	--	0.00 T
08/05/75 2103 0745 5:30			3010 44	61.0 F 7.6	--	--	--	0.11 T	--	--	--
08/19/75 2103 0815 5:30			2460 40	62 F 7.6	0.00 T	0.00 T	0.01 T 0.11 T	0.00 T 0.01 T	0.0000 T	--	0.00 T
09/02/75 2103 0800 5:30			2350 42	63 F 7.7	--	--	--	0.09 T	--	--	--
09/16/75 2103 0745 5:30			2340 40	62 F 7.6	0.00 T	0.00 T	0.00 T 0.13 T	0.01 T 0.01 T	0.0000 T	--	0.00 T
A1 1020.00 PIT RIVER NEAR MONTGOMERY CREEK											
03/19/75 5:30 1000 5:30			7.5C 105	7.3	--	0.00 T	--	0.00 T 2.0 T	0.00 T 0.03 T	--	0.01 T
A1 1680.00 PIT RIVER NEAR CANBY											
03/19/75 5:30 1320 5:30			7.1C 182	7.7	--	0.00 T	--	0.00 T 4.1 T	0.00 T 0.09 T	--	0.01 T
05/06/75 5:30 1400 5:30			9.0C 7.6	--	--	0.00 T	--	0.01 T 3.8 T	0.00 T 0.07 T	--	0.02 T
A2 1010.00 SACRAMENTO RIVER AT KESWICK											
04/21/75 5:30 1100 5:30			10.00 1100	10.5C 7.1	--	0.00 T	--	0.01 T 1.0 T	0.01 T 0.01 T	--	0.39 T
A3 1110.00 STONY CREEK BELOW BLACK BUTTE DAM											
05/20/75 5:30 1120 5:30			16.0C 8.0	--	--	0.00 T	--	0.02 T 0.04 T	0.00 T 0.02 T	--	0.02 T
A3 1250.00 STONY CREEK NEAR FRUIT											
04/22/75 5:30 1100 5:30			13.0C 8.3	--	--	0.00 T	--	0.00 T 0.94 T	0.00 T 0.02 T	--	0.00 T
A4 1110.00 ROUTE CREEK NEAR CHICO											
05/02/75 5:30 1030 5:30			11.0C 7.8	--	--	0.00 T	--	0.00 T 0.13 T	0.00 T 0.01 T	--	0.01 T
A4 2110.00 BIG CHICO CREEK NEAR CHICO											
05/02/75 5:30 0945 5:30			12.5C 7.8	--	--	0.00 T	--	0.00 T 0.04 T	0.00 T 0.00 T	--	0.01 T
A5 L 902.7 254.7 1 CLEAR LAKE AT LAKEPORT											
04/17/75 5:30 0730 5:30			10.0C 8.0	--	--	0.00 T	--	0.00 T 1.8 T	0.01 T 0.04 T	--	0.01 T
A8 1250.00 REAW CREEK NEAR RUMSEY											
04/17/75 5:30 1110 5:30			12.0C 8.2	--	--	0.00 T	--	0.00 T 0.13 T	0.01 T 0.01 T	--	0.01 T
A8 1350.00 CACHE CREEK NEAR LOWER LAKE											
04/17/75 5:30 0910 5:30			513 8.3	12.0C 8.3	--	0.00 T	--	0.00 T 1.6 T	0.01 T 0.03 T	--	0.00 T
A8 2050.00 CACHE CREEK, NORTH FORK, NEAR LOWER LAKE											
04/17/75 5:30 1020 5:30			12.0C 8.2	--	--	0.00 T	--	0.00 T 0.18 T	0.00 T 0.03 T	--	0.00 T

TABLE D-3 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
80 7620.00 SAN JOAQUIN RIVER NEAR VERNALIS										
12/19/74 5C30	0900	5050	358	10.0 C 7.2	--	--	0.01 D 0.01 O	--	0.0000 T --	-- n.01 O
01/21/75 5001	1600	5050	3	10 C 7.5	0.00 T	0.00 T	0.01 T 1.6 T	0.00 T 0.09 T	0.0000 T --	-- n.01 T
01/21/75 5001	1601	5050	3	10 C 7.5	0.00 O	0.00 O	0.00 O 0.04 O	0.00 O 0.05 O	-- --	-- n.01 O
05/01/75 5001	1335	5020	3	19 C 7.8	0.00 O	0.00 O	0.00 O 0.05 O	0.00 O 0.05 O	-- --	-- n.05 D
05/01/75 5001	1336	5050	3	19 C 7.8	0.00 T	0.00 T	0.00 T 2.8 T	0.00 T 0.19 T	0.0001 T --	-- n.05 T
09/11/75 5001	1410	5050	3	22 C 7.8	0.00 O	0.00 O	0.00 D 0.03 D	0.00 O 0.02 O	-- --	-- 0.00 O
09/11/75 5001	1411	5050	3	22 C 7.8	0.00 T	0.00 T	0.01 T 1.5 T	0.00 T 0.13 T	0.0001 T --	-- n.01 T
89 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CREEK FOREBAY										
01/22/75 5001	1615	5050	3	7 C 7.2	0.00 T	0.00 T	0.01 T 1.6 T	0.00 T 0.07 T	0.0000 T --	-- n.02 T
01/22/75 5001	1616	5050	3	7 C 7.2	0.00 O	0.00 O	0.00 O 0.08 O	0.00 O 0.05 O	-- --	-- 0.02 O
05/01/75 5001	1225	5050	3	16 C 7.7	0.00 O	0.00 D	0.01 O 0.04 O	0.00 O 0.01 O	-- --	-- 0.01 O
05/01/75 5001	1226	5050	3	16 C 7.7	0.00 T	0.00 T	0.01 T 1.9 T	0.01 T 0.04 T	0.0000 T --	-- 0.01 T
09/11/75 5001	1335	5050	3	23 C 8.5	0.00 O	0.00 O	0.00 O 0.03 O	0.00 O 0.00 O	-- --	-- 0.00 D
09/11/75 5001	1336	5050	3	23 C 8.5	0.00 T	0.00 T	0.01 T 1.2 T	0.00 T 0.05 T	0.0002 T --	-- 0.01 T
89 D 758.7 122.9 SAN JOAQUIN RIVER AT RUCKLEY COVE										
02/03/75 5001	1225	5050	3	9 C 7.4	0.00 O	0.00 O	0.02 T 0.04 O	0.00 D 0.02 O	-- --	-- n.01 D
02/03/75 5001	1226	5050	3	9 C 7.4	0.00 T	0.00 T	0.02 T 0.56 T	0.00 T 0.05 T	0.0001 T --	-- n.01 T
05/01/75 5001	0955	5050	3	17 C 8.1	0.00 D	0.00 O	0.00 D 0.02 D	0.00 O 0.00 D	-- --	-- 0.01 O
05/01/75 5001	0956	5050	3	17 C 8.1	0.00 T	0.00 T	0.00 T 0.87 T	0.00 T 0.10 T	0.0000 T --	-- n.01 T
09/11/75 5001	1100	5050	3	24 C 8.2	0.00 O	0.00 O	0.01 D 0.02 D	0.00 O 0.01 O	-- --	-- n.01 O
09/11/75 5001	1101	5050	3	24 C 8.2	0.00 T	0.00 T	0.01 T 0.82 T	0.00 T 0.02 T	0.0002 T --	-- 0.00 T
89 D 801.1 142.6 BIG BREAK NEAR OAKLEY										
01/08/75 5001	1425	5050	3	8 C 7.9	0.00 D	0.00 O	0.00 O 0.05 D	0.00 O 0.00 O	-- --	-- n.00 O
01/08/75 5001	1426	5050	3	8 C 7.9	0.00 T	0.00 T	0.00 T 1.01 T	0.00 T 0.03 T	0.0000 T --	-- 0.01 T
05/08/75 5001	1625	5050	3	18 C 8.8	0.00 O	0.00 O	0.00 O 0.05 O	0.00 O 0.00 D	-- --	-- n.00 D
05/08/75 5001	1626	5050	3	18 C 8.8	0.00 T	0.00 T	0.00 T 1.8 T	0.01 T 0.03 T	0.0000 T --	-- n.01 T
09/03/75 5001	1725	5050	3	25 C 8.3	0.00 O	0.00 D	0.00 O 0.02 O	0.00 O 0.00 D	-- --	-- n.00 D
09/03/75 5001	1726	5050	3	25 C 8.3	0.00 T	0.00 T	0.01 T 0.71 T	0.00 T 0.02 T	0.0002 T --	-- n.00 T
89 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL										
01/08/75 5001	1355	5050	3	8 C 7.8	0.00 O	0.00 O	0.00 O 0.04 O	0.00 O 0.00 O	-- --	-- 0.00 O
01/08/75 5001	1356	5050	3	8 C 7.8	0.00 T	0.00 T	0.01 T 1.1 T	0.00 T 0.03 T	0.0000 T --	-- n.01 T
05/08/75 5001	1555	5050	3	16 C 8.1	0.00 O	0.00 O	0.00 O 0.05 O	0.00 O 0.00 O	-- --	-- 0.00 D
05/08/75 5001	1556	5050	3	16 C 8.1	0.00 T	0.00 T	0.00 T 1.9 T	0.00 T 0.03 T	0.0000 T --	-- n.01 T
09/03/75 5001	1640	5050	3	22 C 7.8	0.00 D	0.00 O	0.00 O 0.06 O	0.00 O 0.00 O	-- --	-- n.00 O
09/03/75 5001	1641	5050	3	22 C 7.8	0.00 T	0.00 T	0.01 T 1.2 T	0.00 T 0.03 T	0.0002 T --	-- n.00 T
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT										
01/07/75 5001	1420	5050	3	7 C 7.7	0.00 O	0.00 O	0.00 O 0.06 O	0.00 O 0.00 O	-- --	-- n.00 O
01/07/75 5001	1421	5050	3	7 C 7.7	0.00 T	0.00 T	0.00 T 0.04 T	0.00 T 0.02 T	0.0000 T --	-- n.00 T
05/07/75 5001	1555	5050	3	16 C 8.1	0.00 O	0.00 O	0.00 O 0.06 O	0.00 O 0.00 O	-- --	-- n.01 O



TABLE D-3 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °C	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT											
						CONTINUED					
05/07/75 1551	5001 5050	3	143	16 C 8.0	0.00 T	0.00 T	0.00 T	0.01 T 1.4	0.01 T 0.02	0.0000 T --	-- 0.01 T
09/02/75 1530	5001 5050	3	270	22 C 8.0	0.00 D	0.00 D	0.00 D	0.00 D 0.02	0.00 D 0.04	-- --	-- 0.00 D
09/02/75 1531	5001 5050	3	270	22 C 8.0	0.00 T	0.00 T	0.01 T	0.01 T 0.85	0.00 T 0.04	0.0002 T --	-- 0.00 T
89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO											
01/07/75 1215	5001 5050	3	344	7 C 7.2	0.00 D	0.00 D	0.00 D	0.01 D 0.06	0.00 D 0.01	-- --	-- 0.01 D
01/07/75 1216	5001 5050	3	344	7 C 7.2	0.00 T	0.00 T	0.00 T	0.01 T 1.2	0.00 T 0.03	0.0000 T --	-- 0.01 T
05/07/75 1345	5001 5050	3	146	15 C 7.8	0.00 D	0.01 D	0.00 D	0.01 D 0.05	0.00 D 0.00	-- --	-- 0.00 D
05/07/75 1346	5001 5050	3	146	15 C 7.8	0.00 T	0.01 T	0.00 T	0.01 T 1.8	0.00 T 0.03	0.0000 T --	-- 0.01 T
09/02/75 1345	5001 5050	3	190	22 C 7.9	0.00 D	0.00 D	0.00 D	0.01 D 0.02	0.00 D 0.00	-- --	-- 0.00 D
09/02/75 1346	5001 5050	3	190	22 C 7.9	0.00 T	0.00 T	0.01 T	0.01 T 1.3	0.00 T 0.04	0.0002 T --	-- 0.01 T
89 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT											
01/07/75 1510	5001 5050	3	193	7 C 7.6	0.00 D	0.00 D	0.00 D	0.01 D 0.06	0.00 D 0.00	-- --	-- 0.00 D
01/07/75 1511	5001 5050	3	193	7 C 7.6	0.00 T	0.00 T	0.01 T	0.01 T 0.69	0.00 T 0.02	0.0000 T --	-- 0.00 T
05/07/75 1630	5001 5050	3	122	15 C 7.7	0.00 D	0.00 U	0.00 D	0.01 D 0.05	0.00 D 0.00	-- --	-- 0.01 D
05/07/75 1631	5001 5050	3	122	15 C 7.7	0.00 T	0.00 T	0.00 T	0.01 T 1.2	0.01 T 0.03	0.0000 T --	-- 0.01 T
09/02/75 1615	5001 5050	3	160	22 C 7.8	0.00 D	0.00 D	0.00 D	0.00 D 0.02	0.00 D 0.01	-- --	-- 0.00 D
09/02/75 1616	5001 5050	3	160	22 C 7.8	0.00 T	0.00 T	0.01 T	0.01 T 0.76	0.00 T 0.02	0.0001 T --	-- 0.00 T
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE											
01/07/75 1330	5001 5050	3	170	7 C 7.6	0.00 D	0.00 D	0.00 D	0.01 D 0.04	0.00 D 0.00	-- --	-- 0.01 D
01/07/75 1331	5001 5050	3	170	7 C 7.6	0.00 T	0.00 T	0.01 T	0.01 T 0.73	0.00 T 0.02	0.0000 T --	-- 0.01 T
05/07/75 1505	5001 5050	3	130	15 C 7.7	0.00 D	0.00 D	0.00 D	0.01 D 0.03	0.00 D 0.00	-- --	-- 0.01 D
05/07/75 1506	5001 5050	3	130	15 C 7.7	0.00 T	0.00 T	0.00 T	0.01 T 1.4	0.01 T 0.03	0.0000 T --	-- 0.01 T
09/02/75 1450	5001 5050	3	198	21 C 7.9	0.00 D	0.00 D	0.00 U	0.00 D 0.02	0.00 D 0.00	-- --	-- 0.00 D
09/02/75 1451	5001 5050	3	198	21 C 7.9	0.00 T	0.00 T	0.01 T	0.01 T 0.72	0.00 T 0.02	0.0001 T --	-- 0.00 T
89 D 815.3 126.3 KOKILUMNE RIVER NEAR THORNTON											
01/21/75 1150	5001 5050	3	99	8 C 7.1	0.00 T	0.00 T	0.01 T	0.01 T 0.41	0.00 T 0.06	0.0000 T --	-- 0.02 T
01/21/75 1151	5001 5050	3	99	8 C 7.1	0.00 D	0.00 D	0.00 D	0.01 D 0.10	0.00 D 0.06	-- --	-- 0.02 D
05/01/75 0900	5001 5050	3	49	13 C 7.1	0.00 D	0.00 D	0.00 U	0.00 D 0.07	0.00 D 0.01	-- --	-- 0.03 D
05/01/75 0901	5001 5050	3	49	13 C 7.1	0.00 T	0.00 T	0.00 T	0.01 T 0.59	0.01 T 0.02	0.0000 T --	-- 0.05 T
09/11/75 0915	5001 5050	3	48	18 C 7.2	0.00 D	0.00 D	0.00 D	0.00 D 0.05	0.00 D 0.01	-- --	-- 0.01 D
09/11/75 0916	5001 5050	3	48	18 C 7.2	0.00 T	0.00 T	0.01 T	0.00 T 0.29	0.00 T 0.02	0.0000 T --	-- 0.01 T
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING											
10/16/74 1200	5001 5050		108	62 F 7.3	0.00 D	--	--	0.01 D 0.05	0.00 D 0.01	0.00 n 0.00	-- 0.00 D
11/20/74 1300	5001 5050		103	55 F 7.3	0.00 D	--	--	0.00 D 0.09	0.00 D 0.01	0.00 n 0.00	-- 0.00 D
12/18/74 1300	5001 5050		125	50 F 7.3	0.00 D	--	--	0.00 D 0.05	0.00 D 0.00	0.00 n 0.00	-- 0.00 D
01/15/75 1345	5001 5050		132	47 F 7.2	0.00 D	--	--	0.00 D 0.10	0.00 D 0.02	0.00 n 0.00	-- 0.00 D
01/22/75 1225	5001 5050	3	202	8 C 7.5	0.00 T	0.00 T	0.01 T	0.00 T 0.69	0.00 T 0.02	0.0003 T --	-- 0.01 T
01/22/75 1226	5001 5050	3	202	8 C 7.5	0.00 D	0.00 D	0.00 D	0.00 D 0.04	0.00 D 0.01	-- --	-- 0.00 D
02/19/75 1220	5001 5050		126	47.5 F 7.2	0.00 D	--	--	0.01 D 0.62	0.00 D 0.06	-- 0.01 D	-- 0.01 D

TABLE D-3 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB DEPTH	USCH EC	TEMP PH	ARSENIC	CONSTITUENTS BARIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
H9 D 620.7 132.7 SACRAMENTO RIVER AT GREENES LANDING										
CONTINUED										
03/19/75 5:30 1100 5:30		133	51 F 7.4	0.00 D	--	--	0.01 D 0.43 D	0.00 D 0.05 D	--	0.01 D
04/16/75 5:00 1200 5:30		133	55 F 7.3	0.00 D	--	--	0.01 D 0.43 D	0.00 D 0.03 D	0.00 n	0.01 D
05/01/75 5:01 0800 5:30	3	117	14 C 7.5	0.00 D	0.00 D	0.00 D	0.00 D 0.06 D	0.00 D 0.00 D	--	0.01 D
05/01/75 5:01 0801 5:30	3	117	14 C 7.5	0.00 T	0.00 T	0.01 T	1.5 T	0.01 T 0.03 T	0.0000 T	0.01 T
05/21/75 5:00 1200 5:30		122	61.0 F 7.4	0.00 D	--	--	0.01 D 0.42 D	0.00 D 0.03 D	0.01 n	0.01 D
06/18/75 5:30 1245 5:30		106	67.0 F 7.4	0.00 D	--	--	0.01 D 0.01 D	0.00 D 0.00 D	0.00 n	0.01 D
07/16/75 5:30 1230 5:30		117	71 F 7.5	0.00 D	--	--	0.00 D 0.07 D	0.00 D 0.02 D	0.01 n	0.00 D
08/20/75 5:30 1200 5:30		144	68 F 7.3	0.00 D	--	--	0.01 D 0.15 D	0.00 D 0.03 D	0.00 n	0.00 D
09/11/75 5:01 0805 5:30	3	147	20 C 7.5	0.00 U	0.00 D	0.00 D	0.01 D 0.04 D	0.00 D 0.01 D	--	0.01 D
09/11/75 5:01 0805 5:30	3	147	20 C 7.5	0.00 T	0.00 T	0.01 T	0.01 T 0.02 T	0.00 T 0.02 T	0.0000 T	0.01 T
09/17/75 5:30 1330 5:30		163	69 F 7.4	0.00 D	--	--	0.00 D 0.10 D	0.00 D 0.03 D	0.00 n	0.00 D
G4 L 210.5 027.1 HONEY LAKE NEAR BUNTINGVILLE										
05/07/75 5:30 0910 5:30			11.5 C 9.1	--	0.00 T	--	0.02 T 16. T	0.0 T 0.32 T	--	0.04 T
G4 154J.01 SUSAN RIVER NEAR LITCHFIELD										
03/19/75 5:30 1535 5:30		164	8.0 C 7.4	--	0.00 T	--	0.02 T 14. T	0.00 T 0.49 T	--	0.02 T
05/07/75 5:30 0805 5:30			9.0 C 7.8	--	0.00 T	--	0.00 T 0.01 T	0.00 T 0.00 T	--	0.01 T
G4 1600.00 SUSAN RIVER AT SUSANVILLE										
03/19/75 5:30 1635 5:30		72	4.0 C 7.2	--	0.00 T	--	0.01 T 7.2 T	0.00 T 0.28 T	--	0.01 T
G6 1765.00 LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION										
03/20/75 5:30 0920 5:30		220	1.0 C 9.0	--	0.00 T	--	0.00 T 2.5 T	0.00 T 0.05 T	--	0.01 T

## TABLE D-4

## MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Sampler and Lab Agency Codes

2163	-	California Department of Water Resources for SWRCB
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources
5060	-	California Department of Health

Abbreviations and Constituents

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
EC	-	Electrical conductance in micromhos at 25 <sup>o</sup> Celsius
DO	-	Dissolved oxygen content in milligrams per liter
G.H.	-	Instantaneous gage height in feet above an established datum
PH	-	Measure of acidity (<7) or alkalinity (>7) of water: F - Field; L - Lab
DISCH	-	Instantaneous discharge in cubic feet per second
MBAS	-	Methylene blue active substance (a test for detergent surfactants) in milligrams per liter: L - Linear alkylate sulfonate; A - Alkyl benzene sulfonate
DEPTH	-	Depth in feet at which sample was collected
TURB	-	Jackson Turbidity Units
T+L	-	Tannin and lignin as tannic acid in milligrams per liter
CHLOR	-	Field determination of residual chlorine in milligrams per liter
O+G	-	Oil and grease in milligrams per liter
COLOR	-	True color in color units
SET S	-	Settable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L): F - Field; L - Lab
BOD	-	Biochemical oxygen demand in milligrams per liter: A - 4 days; B - 5 days; C - 6 days; D - 7 days; E - 100 days; F - other
SUS S	-	Suspended solids in milligrams per liter: 5 - at 105 <sup>o</sup> C; 8 - at 180 <sup>o</sup> C
COD	-	Chemical oxygen demand in milligrams per liter
V SUS S	-	Volatile suspended solids in milligrams per liter
CYANIDE	-	Cyanide in milligrams per liter
PHENOLS	-	Phenols in milligrams per liter
TOC	-	Total organic carbon in milligrams per liter
DOC	-	Dissolved organic carbon in milligrams per liter
IODIDE	-	Iodide in milligrams per liter
T ODOR	-	Threshold odor number at 60 <sup>o</sup> C
BROMIDE	-	Bromide in milligrams per liter
SULFITE	-	Sulfite in milligrams per liter
T SULF	-	Total sulfides in milligrams per liter
D SULF	-	Dissolved sulfides in milligrams per liter
CC EXT	-	Carbon chloroform extract
CA EXT	-	Carbon alcohol extract

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	OD G.P.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHDR	SET 5		AOD SUS 5	COD V SUS 5	CYANIDE PHENOLS	TOC DOC	100IOE T ODOOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
								MG/L	MG/L								
A0 V 836.4 131.4 NATOMAS MAIN DRAIN TO SACRAMENTO RIVER																	
09/17/75 0730	5030 5030	69 F 417	5.1	7.3	--	--	--	--	--	54	5	--	--	--	--	--	--
A0 V 847.4 135.8 R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL																	
09/17/75 0830	5030 5030	70 F 386	5.6	7.2	--	--	--	--	--	96	5	--	--	--	--	--	--
A0 V 857.4 134.4 R-D 784 DRAIN TO FEATHER RIVER																	
09/17/75 1030	5030 5030	69 F 135	6.1	7.0	--	--	--	--	--	462	5	--	--	--	--	--	--
A0 2195.01 SACRAMENTO RIVER BELOW KNIGHTS LANDING																	
09/24/75 1550	5030 5030	21.0C 179	9.0	8.4	--	--	--	--	--	100	5	--	--	--	--	--	--
A0 2230.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN																	
09/24/75 1345	5030 5030	20.0C 20.29	8.0	7.6	--	--	--	--	--	64	5	--	--	--	--	--	--
A0 2965.00 YOLO BYPASS BELOW SACRAMENTO BYPASS																	
09/17/75 1230	5030 5030	74 F 578	6.9 11.05	7.8	--	--	--	--	--	87	5	--	--	--	--	--	--
A0 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER																	
09/24/75 1310	5030 5030	24.0C 5030	6.0	7.6	--	--	--	--	--	75	5	--	--	--	--	--	--
A0 2933.00 R-D 108 DRAINAGE TO SACRAMENTO RIVER																	
09/24/75 1455	5030 5030	23.0C 5030	6.0	7.7	--	--	--	--	--	72	5	--	--	--	--	--	--
A0 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																	
09/24/75 1425	5030 5030	24.0C 23.47	6.3	7.8	--	--	--	--	--	133	5	--	--	--	--	--	--
A0 2950.00 R-D 787 DRAINAGE TO COLUSA BASIN DRAIN																	
09/24/75 1410	5030 5030	23.0C 5030	3.8	9.6	--	--	--	--	--	87	5	--	--	--	--	--	--
A0 2955.00 R-D 787 DRAINAGE TO SACRAMENTO RIVER																	
09/24/75 1525	5030 5030	24.0C 5030	6.5	7.8	--	--	--	--	--	131	5	--	--	--	--	--	--
A0 2965.00 R-D 76 DRAINAGE TO SACRAMENTO RIVER																	
09/24/75 1100	5030 5030	24.0C 5030	6.8	8.0	--	--	--	--	--	151	5	--	--	--	--	--	--
A0 2972.00 BUTTE SLOUGH NEAR MERIDIAN																	
09/24/75 0930	5030 5030	23.0C 317	5.0	7.2	--	--	--	--	--	42	5	--	--	--	--	--	--
A0 2976.00 COLUSA BASIN DRAIN AT HIGHWAY 20																	
09/24/75 0750	5030 5030	20.5C 635	7.1	7.8	--	--	--	--	--	298	5	--	--	--	--	--	--
A0 5660.00 JACK SLOUGH AT MARYSVILLE																	
09/18/75 1030	5030 5030	68 F 108	7.7	7.2	--	--	--	--	--	7	5	--	--	--	--	--	--
A0 5910.00 SUTTER BP STATE PP NO 1 NR NICOLAUS																	
09/24/75 1215	5030 5030	23.0C 5030	6.4	7.8	--	--	--	--	--	146	5	--	--	--	--	--	--
A0 5920.00 SUTTER BP STATE PP NO 2 NR TISDALE																	
09/24/75 1145	5030 5030	22.0C 5030	7.1	7.8	--	--	--	--	--	99	5	--	--	--	--	--	--
A0 5925.00 SUTTER BP STATE PP NO 3 NR YUBA CITY																	
09/24/75 1020	5030 5030	22.0C 5030	5.5	7.6	--	--	--	--	--	43	5	--	--	--	--	--	--
A0 5927.00 WADSWORTH CANAL NR SUTTER																	
09/24/75 0955	5030 5030	21.0C 38.09	6.8	7.4	--	--	--	--	--	34	5	--	--	--	--	--	--
A0 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT																	
02/04/75 1020	2103 5030	48 F 57	10.7	7.0	1836	--	--	--	--	12	5	3.9	--	--	--	--	--
02/04/75 1021	2103 5030	48 F 57	10.7	7.0	1836	--	--	--	--	--	--	--	3	--	--	--	--
02/18/75 1030	2103 5030	47 F 51	11.3	7.1	0.00 A	--	--	--	--	9	5	4.2	--	1.1	--	--	--
03/04/75 0900	2103 5030	49 F 60	11.0	7.1	4306	--	--	--	--	3	5	2.5	--	1.0	--	--	--
03/10/75 0830	2103 5030	49 F 62	10.9	7.1	4028 0.00 A	--	--	--	--	0	5	3.4	--	0.8	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	SET 5 O+O COLOR	ML/L NOV/L	800 SUS 5	COD SUS 5	CYANIDE PHENDLS	TOC DOC	IOIDIDE T OOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
40 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT CONTINUED																	
04/08/75	2103 0845	44.5F 62	10.9	7.2	8403	--	--	--	--	6 5	1.8	--	2.3	--	--	--	--
04/22/75	2103 0815	51.5F 50.0	10.8	7.1	4594 0.00 A	--	--	--	--	3 5	1.8	--	2.0	--	--	--	--
05/06/75	2103 0910	54.0F 50.0	10.3	7.2	4718	--	--	--	--	2 5	6.5	--	2.0	--	--	--	--
05/20/75	2103 0850	54 F 50.0	10.4	7.2	4590 0.01 L	--	--	--	--	3 5	1.5	--	1.8	--	--	--	--
06/10/75	2103 0915	61.0F 50.0	10.1	7.1	4619	--	--	--	--	4 5	2.3	--	1.9	--	--	--	--
06/24/75	2103 0900	58 F 50.0	9.7	7.1	2492 0.00 L	--	--	--	--	3 5	2.1	--	2.0	--	--	--	--
07/08/75	2103 0845	61.0F 51.0	9.4	7.0	2892	--	--	--	--	3 5	2.5	--	2.0	--	--	--	--
07/22/75	2103 0930	63.0F 50.0	10.2	7.0	2490 0.00 L	--	--	--	--	2 5	3.2	--	--	--	--	--	--
08/05/75	2103 0900	62.0F 50.0	10.4	7.0	2412	--	--	--	--	2.4 5	1.0	--	3.7	--	--	--	--
08/19/75	2103 0915	63 F 50.0	9.0	7.0	1498 0.01 L	--	--	--	--	4.0 5	2.0	--	2.9	--	--	--	--
09/02/75	2103 0845	65 F 50.0	8.6	7.0	1065	--	--	--	--	4.4 5	2.8	--	2.8	--	--	--	--
09/16/75	2103 0900	63 F 50.0	9.0	7.0	1908 0.00 L	--	--	--	--	5.2 5	1.8	--	2.7	--	--	--	--
40 7180.00 AMERICAN RIVER BELOW NIMBUS DAM																	
02/04/75	2103 0930	48 F 50.0	11.2	7.0	2010.4	--	--	--	--	6 5	3.7	--	--	--	--	--	--
02/04/75	2103 0931	48 F 50.0	11.2	7.0	2010.4	--	--	--	--	--	--	--	3	--	--	--	--
02/18/75	2103 0930	47.5F 50.0	12.2	7.1	7510.4 0.00 A	--	--	--	--	7 5	3.7	--	0.9	--	--	--	--
03/04/75	2103 0830	49 F 50.0	11.4	7.2	4030	--	--	--	--	2 5	2.3	--	1.0	--	--	--	--
03/18/75	2103 0730	48.5F 50.0	10.4	7.2	5110 0.00 A	--	--	--	--	2 5	3.2	--	0.9	--	--	--	--
04/08/75	2103 0800	48 F 50.0	11.9	7.2	7480	--	--	--	--	5 5	1.5	--	2.0	--	--	--	--
04/22/75	2103 0945	51.5F 50.0	11.1	7.2	5090 0.00 A	--	--	--	--	2 5	1.7	--	1.9	--	--	--	--
05/06/75	2103 0820	53.0F 50.0	11.3	7.2	5300	--	--	--	--	2 5	2.6	--	1.6	--	--	--	--
05/20/75	2103 0900	54 F 50.0	10.9	7.2	5180 0.00 L	--	--	--	--	3 5	1.2	--	2.0	--	--	--	--
06/10/75	2103 0815	54.0F 50.0	10.2	7.1	5200	--	--	--	--	2 5	1.8	--	1.6	--	--	--	--
06/24/75	2103 0800	57 F 50.0	10.1	7.1	3520 0.00 L	--	--	--	--	2 5	1.9	--	1.6	--	--	--	--
07/08/75	2103 0800	50.0F 50.0	10.0	7.2	3520	--	--	--	--	3 5	1.3	--	1.6	--	--	--	--
07/22/75	2103 0800	61.0F 50.0	9.4	7.0	3500 0.00 L	--	--	--	--	1 5	2.5	--	--	--	--	--	--
08/05/75	2103 0745	61.0F 50.0	10.2	7.0	3610	--	--	--	--	1.6 5	0.4	--	2.1	--	--	--	--
08/19/75	2103 0815	62 F 50.0	8.9	6.8	2450 0.00 L	--	--	--	--	2.0 5	1.7	--	2.0	--	--	--	--
09/02/75	2103 0800	63 F 50.0	8.7	7.0	2350	--	--	--	--	2.4 5	2.0	--	2.5	--	--	--	--
09/16/75	2103 0745	62 F 50.0	8.3	6.9	2390 0.00 L	--	--	--	--	4.8 5	2.7	--	2.9	--	--	--	--
A9 1377.00 CAPELL CREEK AT HWY 121 NEAR MOSKOWITE CORNER																	
12/09/74	32.7 1100	A C 19.4	11.4	7.4	0.5	--	--	0 L	--	--	--	--	--	--	--	--	--
A9 1305.00 CAPELL CREEK AT CIRCLE DAMS																	
12/04/74	32.7 1230	8 C 19.4	10.7	7.5	0.5	--	--	0 L	--	--	--	--	--	--	--	--	--
01/09/75	32.7 1230	7 C 19.4	11.3	--	1	--	--	0 L	--	8 5	--	--	--	--	--	--	--
M0 7620.00 SAN JOAQUIN RIVER NEAR VERNALIS																	
10/02/74	50.1 1030	10 C 50.0	6.4	7.6	--	3	--	--	--	26 5	7	--	--	--	--	--	--
10/16/74	50.1 1030	10 C 50.0	7.3	7.6	2700	3	--	--	--	35 5	12	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	P-H L-PH	DISCH MBAS	DEPTH TURB	T-L CHLOR	SET S ML/L COLOR	DOG MG/L	R00 SUS 5	C00 V SUS 5	CYANIDE PHENOLS	TOC DOC	IOOIDE T OODR	BROMIDE SILFITE	T SULF O SULF	CC EXT CA EXT
80 7020.00 SAN JOAQUIN RIVER NEAR VERNALIS																	
CONTINUED																	
10/17/74	5020	64	F 7.0	7.2	--	--	--	--	--	4+2 B	5	--	--	--	--	--	--
0800	5020	400	12.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/74	5021	14	C 8.7	7.3	4500	3	--	--	--	28	5	4	--	--	--	--	--
1425	5020	336	14.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/74	5021	15	C 8.9	7.3	3670	3	--	--	--	--	--	--	--	--	--	--	--
1320	5020	440	13.57	--	--	--	--	--	--	20	5	2	--	--	--	--	--
11/21/74	5020	13.00	8.4	7.3	--	--	--	--	--	2.0 H	6	--	--	--	--	--	--
0900	5020	310	13.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/74	5021	12	C 10.1	7.6	4510	3	--	--	--	--	--	--	--	--	--	--	--
1300	5020	375	14.62	--	--	--	--	--	--	26	5	4	--	--	--	--	--
12/19/74	5020	10.20	8.7	7.2	--	--	--	--	--	2.0 H	6	--	--	--	--	--	--
0900	5020	358	12.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/75	5021	10	C 9.8	7.5	2750	3	--	--	--	--	--	--	--	--	--	--	--
1600	5020	645	12.56	--	--	--	--	--	--	32	5	12	--	--	--	--	--
02/03/75	5021	11	C 9.9	--	3320	3	--	--	--	--	--	--	--	--	--	--	--
1450	5020	633	13.27	--	--	--	--	--	--	40	5	5	--	--	--	--	--
03/18/75	5021	13	C 9.7	7.6	6420	3	--	--	--	--	--	--	--	--	--	--	--
1115	5020	408	13.58	--	--	--	--	--	--	48	5	5	--	--	--	--	--
04/01/75	5021	13	C 9.7	7.6	6440	3	--	--	--	--	--	--	--	--	--	--	--
1240	5020	398	16.46	--	--	--	--	--	--	57	5	7	--	--	--	--	--
04/18/75	5021	14	C 9.4	7.4	3380	3	--	--	--	--	--	--	--	--	--	--	--
1410	5020	633	13.22	--	--	--	--	--	--	38	5	5	--	--	--	--	--
05/01/75	5021	10	C 8.9	7.8	2510	3	--	--	--	--	--	--	--	--	--	--	--
1335	5020	702	12.14	--	--	--	--	--	--	56	5	12	--	--	--	--	--
05/15/75	5021	14	C 9.5	7.8	3870	3	--	--	--	--	--	--	--	--	--	--	--
1210	5020	405	13.79	--	--	--	--	--	--	61	5	8	--	--	--	--	--
06/03/75	5021	14	C 8.9	7.3	6670	3	--	--	--	--	--	--	--	--	--	--	--
1700	5020	198	16.81	--	--	--	--	--	--	47	5	5	--	--	--	--	--
06/17/75	5021	19	C 8.7	7.6	7430	3	--	--	--	--	--	--	--	--	--	--	--
1615	5020	140	17.69	--	--	--	--	--	--	58	5	7	--	--	--	--	--
06/25/75	5020	10	C 8.2	7.8	2730	3	--	--	--	13 F	--	--	--	--	--	--	--
1010	5020	531	12.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/25/75	5020	10	C 8.2	7.8	2730	3	--	--	--	80	5	16	--	--	--	--	--
1011	5021	531	12.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/75	5021	21	C 9.4	8.2	2070	3	--	--	--	86	5	12	--	--	--	--	--
1535	5020	736	11.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/75	5021	22	C 8.7	8.2	1560	3	--	--	--	156	5	19	--	--	--	--	--
1510	5020	774	10.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75	5021	25	C 7.4	7.4	--	3	--	--	--	164	5	25	--	--	--	--	--
1035	5021	865	7.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75	5021	25	C 7.4	7.4	--	3	--	--	--	164	5	25	--	--	--	--	--
1038	5021	865	7.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/12/75	5021	26.00	9.4	7.2	1520	3	--	--	--	118	5	19	--	--	--	--	--
1615	5020	733	10.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/26/75	5021	25	C 7.3	7.7	1790	3	--	--	--	--	--	--	--	--	--	--	--
1200	5020	685	11.14	--	--	--	--	--	--	107	5	12	--	--	--	--	--
09/11/75	5021	22	C 7.9	7.8	2530	3	--	--	--	--	--	--	--	--	--	--	--
1410	5020	471	12.16	--	--	--	--	--	--	73	5	8	--	--	--	--	--
09/25/75	5021	23	C 7.4	7.8	3050	3	--	--	--	--	--	--	--	--	--	--	--
1330	5020	379	12.81	--	--	--	--	--	--	74	5	19	--	--	--	--	--
09/30/75	5020	19	C 8.1	7.8	--	3	--	--	--	--	--	--	--	--	--	--	--
1318	5021	386	95.63	--	--	--	--	--	--	49	5	15	--	--	--	--	--
82 0100.01 JACKSON CREEK AT JAPUR ROAD BRIDGE																	
05/08/75	2103	64	F 11.1	8.0	--	--	--	--	--	1.2 H	--	--	--	--	--	--	--
1340	5020	233	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
82 0105.01 JACKSON CREEK BELOW CITY OF JACKSON STP																	
05/08/75	2103	50	F 9.4	7.9	--	--	--	--	--	1.1 H	--	--	--	--	--	--	--
0945	5020	225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
82 0109.20 JACKSON CREEK ABOVE CITY OF JACKSON STP																	
05/08/75	2103	58	F 10.5	8.0	--	--	--	--	--	1.1 H	--	--	--	--	--	--	--
0915	5020	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
82 0113.55 JACKSON CREEK, NORTH FORK, IN JACKSON																	
05/08/75	2103	63	F 9.6	8.0	--	--	--	--	--	0.8 H	--	--	--	--	--	--	--
1250	5020	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
82 0114.70 JACKSON CREEK, SOUTH FORK, IN JACKSON																	
05/08/75	2103	64	F 10.0	7.8	--	--	--	--	--	0.9 H	--	--	--	--	--	--	--
1040	5020	171	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	pH L-PH	DISCH MGAS	DEPTH TMR	T-L CMHR	SET S D-O MG/L	RD SUS 5	CO V SUS 5	CYANIDE PHENOLS	TOC DGC	100IDE T DOOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
B2 0191.01 JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK																
05/09/75 1100	21B3 5C50	62 F 172	9.4	7.9	--	--	--	--	1.1 R	--	--	--	--	--	--	--
B2 0193.01 JACKSON CREEK BELOW NEW YORK GULCH																
05/09/75 1220	21B3 5C50	65 F 151	8.8	7.8	--	--	--	--	0.8 R	--	--	--	--	--	--	--
B9 D 745.3 118.3 SAN JOAQUIN RIVER ABOVE PARADISE CUT																
06/25/75 1125	5050 5C50	20 C 540	9.2	7.9	--	3	--	--	13 F	--	--	--	--	--	--	--
06/25/75 1126	5050 5C50	20 C 540	9.2	7.9	--	3	--	--	66 S	15	--	--	--	--	--	--
07/23/75 1125	5050 5C50	20 C 540	9.2	7.9	--	3	--	--	13 F	--	--	--	--	--	--	--
07/23/75 1126	5050 5C50	25 C 918	9.3	8.2	--	3	--	--	97 S	18	--	--	--	--	--	--
B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE																
10/02/74 0950	5050 5C50	19 C 365	7.0	7.4	--	3	--	--	3.6 R 32 S	8	--	--	--	--	--	--
10/16/74 0945	5050 5C50	18 C 449	7.1	7.4	--	3	--	--	37 S	11	--	--	--	--	--	--
11/06/74 1350	5050 5C50	14 C 290	9.0	7.3	--	3	--	--	1.6 R 26 S	4	--	--	--	--	--	--
11/18/74 1240	5050 5C50	13 C 440	8.7	7.7	--	3	--	--	--	3	--	--	--	--	--	--
12/17/74 1220	5050 5C50	11 C 373	10.0	7.7	--	3	--	--	1.4 R 29 S	3	--	--	--	--	--	--
01/21/75 1515	5050 5C50	10 C 597	9.8	7.4	--	3	--	--	0.1 S 16 S	4	--	--	--	--	--	--
02/03/75 1410	5050 5C50	10 C 562	10.1	--	--	3	--	--	2.0 R 28 S	8	--	--	--	--	--	--
03/18/75 1010	5050 5C50	12 C 381	9.5	7.5	--	3	--	--	2.7 R 52 S	9	--	--	--	--	--	--
04/01/75 1150	5050 5C50	12 C 373	9.7	7.7	--	3	--	--	2.3 R 55 S	8	--	--	--	--	--	--
04/18/75 1310	5050 5C50	14 C 841	9.0	7.8	--	3	--	--	--	4	--	--	--	--	--	--
05/01/75 1235	5050 5C50	18 C 695	9.3	7.8	--	3	--	--	3.8 R 42 S	8	--	--	--	--	--	--
05/15/75 1115	5050 5C50	18 C 420	9.6	7.9	--	3	--	--	--	10	--	--	--	--	--	--
06/03/75 1000	5050 5C50	20 C 211	8.9	7.5	--	3	--	--	2.9 R 62 S	9	--	--	--	--	--	--
06/17/75 1525	5050 5C50	20 C 153	8.6	7.5	--	3	--	--	--	10	--	--	--	--	--	--
06/25/75 1225	5050 5C50	20 C 541	9.2	7.9	--	3	--	--	13 F	--	--	--	--	--	--	--
06/25/75 1226	5050 5C50	20 C 541	9.2	7.9	--	3	--	--	79 S	18	--	--	--	--	--	--
07/01/75 1435	5050 5C50	21 C 708	10.4	8.2	--	3	--	--	--	12	--	--	--	--	--	--
07/15/75 1400	5050 5C50	22 C 837	10.0	8.5	--	3	--	--	5.8 R 85 S	15	--	--	--	--	--	--
07/23/75 1200	5050 5C50	26 C 866	9.3	8.2	--	3	--	--	13 F	--	--	--	--	--	--	--
07/23/75 1201	5050 5C50	26 C 896	9.3	8.2	--	3	--	--	--	20	--	--	--	--	--	--
08/12/75 1525	5050 5C50	25.0C 843	9.9	7.4	--	3	--	--	5.6 R 66 S	17	--	--	--	--	--	--
08/26/75 1120	5050 5C50	24 C 843	7.9	7.7	--	3	--	--	--	8	--	--	--	--	--	--
09/11/75 1315	5050 5C50	22 C 512	7.5	7.8	--	3	--	--	3.3 R 40 S	5	--	--	--	--	--	--
09/25/75 1240	5050 5C50	22 C 410	7.3	7.7	--	3	--	--	--	6	--	--	--	--	--	--
B9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																
10/03/74 0945	5050 5C50	19 C 415	6.8	7.8	--	3	--	--	37 S	8	--	--	--	--	--	--
10/17/74 0950	5050 5C50	18 C 498	5.7	7.3	--	3	--	--	40 S	10	--	--	--	--	--	--
11/07/74 1455	5050 5C50	13 C 278	8.0	7.3	--	--	--	--	26 S	9	--	--	--	--	--	--
11/19/74 1245	5050 5C50	13 C 470	8.2	7.6	--	--	--	--	20 S	3	--	--	--	--	--	--



TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PM L-PM	DISCH MGAS	DEPTH TURB	T+L CHLOR	0+0 COLOR	ML/L H0/L	800 SUS S	COD V SUS S	CYANIDE PHENOLS	TQC 00C	100IOE T 00OR	BROMINE SULFITE	T SULF O SULF	CC EXT CA EXT
BQ 0 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																	
CONTINUED																	
12/18/74	5001	10 C	8.4	7.4	--	--	--	--	--	22	5	2	--	--	--	--	--
1200	5030	484			--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/75	5001	9 C	9.0	7.4	--	3	--	--	--	18	5	1	--	--	--	--	--
1515	5050	595			--	--	--	--	--	--	--	--	--	--	--	--	--
02/04/75	5001	10 C	10.0	7.7	--	3	--	--	--	25	5	4	--	--	--	--	--
1455	5030	590			--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/75	5001	12 C	9.3	7.6	--	3	--	--	--	31	5	4	--	--	--	--	--
0930	5030	424			--	--	--	--	--	--	--	--	--	--	--	--	--
04/01/75	5001	11 C	9.5	7.7	--	3	--	--	--	37	5	6	--	--	--	--	--
1115	5030	382			--	--	--	--	--	--	--	--	--	--	--	--	--
04/18/75	5001	14 C	10.7	8.2	--	3	--	--	--	27	5	4	--	--	--	--	--
1225	5030	805			--	--	--	--	--	--	--	--	--	--	--	--	--
05/01/75	5001	17 C	10.9	8.2	--	3	--	--	--	39	5	10	--	--	--	--	--
1115	5030	753			--	--	--	--	--	--	--	--	--	--	--	--	--
05/15/75	5001	18 C	9.8	8.1	--	3	--	--	--	50	5	10	--	--	--	--	--
1015	5030	534			--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/75	5001	21 C	10.0	7.7	--	3	--	--	--	62	5	4	--	--	--	--	--
1515	5030	250			--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/75	5001	20 C	8.5	7.7	--	3	--	--	--	63	5	10	--	--	--	--	--
1425	5030	180			--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/75	5001	20 C	11.4	8.7	--	3	--	--	--	62	5	12	--	--	--	--	--
1340	5030	798			--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/75	5001	22 C	7.4	8.2	--	3	--	--	--	73	5	14	--	--	--	--	--
1300	5030	945			--	--	--	--	--	--	--	--	--	--	--	--	--
08/12/75	5001	25.4C	9.9	7.4	--	3	--	--	--	65	5	15	--	--	--	--	--
1430	5030	878			--	--	--	--	--	--	--	--	--	--	--	--	--
08/26/75	5001	23 C	8.8	7.8	--	3	--	--	--	54	5	10	--	--	--	--	--
1025	5030	858			--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/75	5001	22 C	6.9	7.6	--	3	--	--	--	48	5	7	--	--	--	--	--
1225	5030	515			--	--	--	--	--	--	--	--	--	--	--	--	--
09/25/75	5001	23 C	5.5	7.5	--	3	--	--	--	52	5	8	--	--	--	--	--
1145	5030	501			--	--	--	--	--	--	--	--	--	--	--	--	--
BQ 0 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY																	
10/03/74	5001	20 C	7.0	7.8	--	3	--	--	--	46	5	6	--	--	--	--	--
1035	5030	304			--	--	--	--	--	--	--	--	--	--	--	--	--
10/17/74	5001	19 C	7.3	7.3	--	3	--	--	--	49	5	9	--	--	--	--	--
1040	5030	235			--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/74	5001				--	3	--	--	--	30	5	10	--	--	--	--	--
1550	5030				--	--	--	--	--	--	--	--	--	--	--	--	--
11/19/74	5001	13 C	8.3	7.5	--	3	--	--	--	18	5	0	--	--	--	--	--
1330	5030	526			--	--	--	--	--	--	--	--	--	--	--	--	--
12/18/74	5001	10 C	8.9	7.5	--	3	--	--	--	32	5	4	--	--	--	--	--
1300	5030	403			--	--	--	--	--	--	--	--	--	--	--	--	--
01/22/75	5001	7 C	9.6	7.2	--	3	--	--	--	30	5	4	--	--	--	--	--
1615	5030	432			--	--	--	--	--	--	--	--	--	--	--	--	--
02/04/75	5001	8 C	11.0	7.5	--	3	--	--	--	32	5	3	--	--	--	--	--
1600	5030	354			--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/75	5001	12 C	9.1	7.5	--	3	--	--	--	31	5	4	--	--	--	--	--
1155	5030	412			--	--	--	--	--	--	--	--	--	--	--	--	--
04/01/75	5001	12 C	8.5	7.8	--	3	--	--	--	48	5	6	--	--	--	--	--
1210	5030	377			--	--	--	--	--	--	--	--	--	--	--	--	--
04/18/75	5001	13 C	9.0	7.8	--	3	--	--	--	32	5	5	--	--	--	--	--
1105	5030	284			--	--	--	--	--	--	--	--	--	--	--	--	--
05/01/75	5001	16 C	9.1	7.7	--	3	--	--	--	51	5	10	--	--	--	--	--
1225	5030	233			--	--	--	--	--	--	--	--	--	--	--	--	--
05/15/75	5001	18 C	8.7	7.8	--	3	--	--	--	63	5	10	--	--	--	--	--
1110	5030	235			--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/75	5001	21 C	7.8	7.8	--	3	--	--	--	59	5	7	--	--	--	--	--
1635	5030	291			--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/75	5001	21 C	8.0	7.6	--	3	--	--	--	52	5	8	--	--	--	--	--
1555	5030	226			--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/75	5001	22 C	7.6	7.6	--	3	--	--	--	59	5	9	--	--	--	--	--
1525	5030	227			--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/75	5001	23 C	7.1	7.6	--	3	--	--	--	66	5	6	--	--	--	--	--
1440	5030	208			--	--	--	--	--	--	--	--	--	--	--	--	--
08/12/75	5001	25.0C	7.1	7.6	--	3	--	--	--	42	5	9	--	--	--	--	--
1245	5030	178			--	--	--	--	--	--	--	--	--	--	--	--	--
08/25/75	5001	24 C	7.7	7.6	--	3	--	--	--	64	5	11	--	--	--	--	--
1100	5030	208			--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/75	5001	21 C	7.6	8.5	--	3	--	--	--	41	5	8	--	--	--	--	--
1335	5030	221			--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/75	5001	21 C	7.4		--	3	--	--	--	42	5	6	--	--	--	--	--
1315	5030	242			--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	SET 5		800 SUS 5	COO V SUS 5	CYANIDE PHENOLS	TOC DOC	10010E T 0009	BROMIDE SULFITE	T SULF D SULF	CC EAT CA EAT
								O-O ML/L	COLOR MG/L								
89 D 751.9 119.3 SAN JOAQUIN RIVER AT BRANDT BRIDGE																	
10/02/74	50J1	19 C	7.3	7.5	--	3	--	--	--	30	5	8	--	--	--	--	--
0915	50J0	375	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/16/74	50J1	18 C	7.2	7.4	--	3	--	--	--	25	5	10	--	--	--	--	--
0910	50J0	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/74	50J1	15 C	8.4	7.4	--	3	--	--	--	22	5	4	--	--	--	--	--
1315	50J0	268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/74	50J1	13 C	8.6	7.7	--	3	--	--	--	18	5	2	--	--	--	--	--
1150	50J0	436	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/74	50J1	11 C	9.9	7.6	--	3	--	--	--	20	5	2	--	--	--	--	--
1140	50J0	374	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/21/75	50J1	10 C	10.2	7.4	--	3	--	--	--	15	5	3	--	--	--	--	--
1440	50J0	398	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/03/75	50J1	10 C	10.4	--	--	3	--	--	--	16	5	2	--	--	--	--	--
1335	50J0	445	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89 D 757.4 131.7 MIDDLE RIVER AT HACON ISLAND BRIDGE																	
10/01/74	50J1	21 C	6.1	7.6	--	3	--	--	--	26	5	2	--	--	--	--	--
0950	50J0	355	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/16/74	50J1	19 C	6.0	7.5	--	3	--	--	--	24	5	8	--	--	--	--	--
0905	50J0	326	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/74	50J1	15 C	7.6	7.4	--	3	--	--	--	34	5	2	--	--	--	--	--
1410	50J0	325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/74	50J1	14 C	7.0	7.4	--	3	--	--	--	20	5	1	--	--	--	--	--
1215	50J0	352	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/74	50J1	10 C	7.4	--	--	3	--	--	--	21	5	3	--	--	--	--	--
1110	50J0	374	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/03/75	50J1	8 C	10.6	7.1	--	3	--	--	--	22	5	2	--	--	--	--	--
1325	50J0	391	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89 D 758.2 134.3 OLD RIVER OPPOSITE HANCHO DEL RIO																	
10/01/74	50J1	20 C	8.1	7.8	--	3	--	--	--	1.5 R	--	--	--	--	--	--	--
1020	50J0	202	--	--	--	--	--	--	--	32	5	2	--	--	--	--	--
10/16/74	50J1	19 C	7.9	7.5	--	3	--	--	--	25	5	6	--	--	--	--	--
0935	50J0	187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/74	50J1	15 C	7.9	7.5	--	3	--	--	--	0.9 R	--	--	--	--	--	--	--
1440	50J0	278	--	--	--	--	--	--	--	28	5	4	--	--	--	--	--
11/18/74	50J1	14 C	8.1	7.5	--	3	--	--	--	28	5	0	--	--	--	--	--
1305	50J0	317	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/74	50J1	16 C	9.2	--	--	3	--	--	--	1.2 H	--	--	--	--	--	--	--
1155	50J0	338	--	--	--	--	--	--	--	27	5	7	--	--	--	--	--
02/03/75	50J1	8 C	11.3	7.3	--	3	--	--	--	19	5	2	--	--	--	--	--
1410	50J0	255	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/75	50J1	12 C	9.5	7.5	--	3	--	--	--	1.0 R	--	--	--	--	--	--	--
1650	50J0	305	--	--	--	--	--	--	--	31	5	7	--	--	--	--	--
04/01/75	50J1	11 C	9.1	7.9	--	3	--	--	--	1.6 R	--	--	--	--	--	--	--
1055	50J0	259	--	--	--	--	--	--	--	56	5	7	--	--	--	--	--
04/16/75	50J1	14 C	9.2	7.6	--	3	--	--	--	34	5	5	--	--	--	--	--
1005	50J0	192	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/01/75	50J1	17 C	9.6	7.8	--	3	--	--	--	1.4 H	--	--	--	--	--	--	--
1125	50J0	176	--	--	--	--	--	--	--	25	5	6	--	--	--	--	--
05/15/75	50J1	18 C	9.3	8.3	--	3	--	--	--	--	--	--	--	--	--	--	--
1615	50J0	135	--	--	--	--	--	--	--	46	5	8	--	--	--	--	--
06/03/75	50J1	23 C	7.0	7.6	--	3	--	--	--	1.1 R	--	--	--	--	--	--	--
1535	50J0	198	--	--	--	--	--	--	--	50	5	5	--	--	--	--	--
06/17/75	50J1	21 C	7.0	7.5	--	3	--	--	--	47	5	8	--	--	--	--	--
1455	50J0	228	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/75	50J1	21 C	7.5	7.5	--	3	--	--	--	40	5	7	--	--	--	--	--
1420	50J0	175	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/75	50J1	23 C	7.3	7.6	--	3	--	--	--	1.1 R	--	--	--	--	--	--	--
1340	50J0	165	--	--	--	--	--	--	--	33	5	6	--	--	--	--	--
08/12/75	50J1	24.0C	7.4	7.9	--	3	--	--	--	1.2 R	--	--	--	--	--	--	--
1155	50J0	167	--	--	--	--	--	--	--	38	5	9	--	--	--	--	--
08/25/75	50J1	24 C	8.3	7.8	--	3	--	--	--	--	--	--	--	--	--	--	--
1005	50J0	222	--	--	--	--	--	--	--	24	5	9	--	--	--	--	--
09/11/75	50J1	22 C	8.3	8.5	--	3	--	--	--	1.4 R	--	--	--	--	--	--	--
1215	50J0	206	--	--	--	--	--	--	--	30	5	6	--	--	--	--	--
09/26/75	50J1	23 C	8.1	--	--	3	--	--	--	--	--	--	--	--	--	--	--
1225	50J0	199	--	--	--	--	--	--	--	19	5	6	--	--	--	--	--
89 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE																	
10/03/74	50J1	20 C	6.7	7.4	--	3	--	--	--	39	5	6	--	--	--	--	--
0840	50J0	191	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/17/74	50J1	19 C	6.9	7.3	--	3	--	--	--	33	5	9	--	--	--	--	--
0850	50J0	183	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/74	50J1	14 C	7.9	7.1	--	3	--	--	--	32	5	8	--	--	--	--	--
1355	50J0	235	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MEAS	DEPTH	T+L TURB	O+G CHLOR	SET S ML/L COLOR	HDS SUS S	COO V SUS S	CYANIDE PHENOLS	TOC DOC	IOODIE T OODR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
89 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE																	
CONTINUED																	
11/19/74	50J1	14 C	8.0	7.1	--	3	--	--	--	25	5	2	--	--	--	--	--
1140	5050	350															
12/18/74	50J1	9 C	9.0	7.4	--	3	--	--	--	25	5	3	--	--	--	--	--
1100	5050	406															
01/22/75	50J1	7 C	9.7	7.3	--	3	--	--	--	22	5	2	--	--	--	--	--
1415	5050	325															
02/04/75	50J1	8 C	11.1	7.2	--	3	--	--	--	27	5	4	--	--	--	--	--
1350	5050	294															
89 D 758.7 122.9 SAN JOAQUIN RIVER AT RUCKLEY COVE																	
10/01/74	50J1	2n C	7.1	7.7	--	3	--	--	--	5.0 B	--	--	--	--	--	--	--
0850	5050	388								5	5	0	--	--	--	--	--
10/16/74	50J1	18 C	5.9	7.7	--	3	--	--	--	--	--	--	--	--	--	--	--
0750	5050	510								28	5	7	--	--	--	--	--
11/06/74	50J1	15 C	8.0	7.6	--	3	--	--	--	3.1 B	--	--	--	--	--	--	--
1310	5050	313								20	5	7	--	--	--	--	--
11/18/74	50J1	14 C	8.7	7.6	--	3	--	--	--	--	--	--	--	--	--	--	--
1115	5050	405								12	5	0	--	--	--	--	--
12/17/74	50J1	10 C	9.0	7.2	--	3	--	--	--	1.6 B	--	--	--	--	--	--	--
1005	5050	370								20	5	5	--	--	--	--	--
02/03/75	50J1	9 C	11.1	7.4	--	3	--	--	--	2.9 B	--	--	--	--	--	--	--
1225	5050	508								14	5	8	--	--	--	--	--
03/10/75	50J1	11 C	9.2	7.5	--	3	--	--	--	2.8 B	--	--	--	--	--	--	--
0935	5050	335								32	5	7	--	--	--	--	--
04/01/75	50J1	12 C	8.6	7.7	--	3	--	--	--	2.1 B	--	--	--	--	--	--	--
0515	5050	315								46	5	7	--	--	--	--	--
04/16/75	50J1	15 C	8.7	7.2	--	3	--	--	--	--	--	--	--	--	--	--	--
0835	5050	395								22	5	3	--	--	--	--	--
05/01/75	50J1	17 C	9.9	8.1	--	3	--	--	--	4.0 B	--	--	--	--	--	--	--
0955	5050	549								26	5	8	--	--	--	--	--
05/15/75	50J1	20 C	8.9	8.2	--	3	--	--	--	--	--	--	--	--	--	--	--
0855	5050	453								35	5	9	--	--	--	--	--
06/03/75	50J1	22 C	8.5	8.1	--	3	--	--	--	3.2 B	--	--	--	--	--	--	--
1400	5050	333								45	5	6	--	--	--	--	--
06/17/75	50J1	22 C	7.5	7.6	--	3	--	--	--	--	--	--	--	--	--	--	--
1330	5050	187								53	5	18	--	--	--	--	--
07/01/75	50J1	23 C	6.4	7.5	--	3	--	--	--	--	--	--	--	--	--	--	--
1305	5050	415								31	5	6	--	--	--	--	--
07/15/75	50J1	24 C	6.8	7.7	--	3	--	--	--	2.4 B	--	--	--	--	--	--	--
1200	5050	560								26	5	7	--	--	--	--	--
08/12/75	50J1	26.0 C	8.3	8.0	--	3	--	--	--	2.7 B	--	--	--	--	--	--	--
1015	5050	426								38	5	11	--	--	--	--	--
08/25/75	50J1	25 C	5.3	7.6	--	3	--	--	--	--	--	--	--	--	--	--	--
0855	5050	566								25	5	8	--	--	--	--	--
09/11/75	50J1	24 C	5.0	8.2	--	3	--	--	--	4.5 B	--	--	--	--	--	--	--
1100	5050	620								27	5	7	--	--	--	--	--
09/26/75	50J1	24 C	2.5		--	3	--	--	--	--	--	--	--	--	--	--	--
1105	5050	512								18	5	5	--	--	--	--	--
89 D 758.8 128.5 TURNER CUT AT McDONALD ISLAND FERRY																	
3/25/74	50J1	15 C	7.3	7.3	--	3	--	--	--	--	--	--	--	--	--	--	--
1010	5050	408								34	5	7	--	--	--	--	--
10/01/74	50J1	21 C	4.5	7.5	--	3	--	--	--	--	--	--	--	--	--	--	--
0925	5050	403								24	5	2	--	--	--	--	--
10/16/74	50J1	18 C	4.8	7.6	--	3	--	--	--	--	--	--	--	--	--	--	--
0820	5050	435								37	5	8	--	--	--	--	--
11/06/74	50J1	15 C	7.1	7.4	--	3	--	--	--	--	--	--	--	--	--	--	--
1340	5050	360								37	5	10	--	--	--	--	--
11/18/74	50J1	14 C	7.0	7.5	--	3	--	--	--	--	--	--	--	--	--	--	--
1150	5050	378								24	5	1	--	--	--	--	--
12/17/74	50J1	11 C	8.0		--	3	--	--	--	--	--	--	--	--	--	--	--
1040	5050	348								31	5	5	--	--	--	--	--
02/03/75	50J1	9 C	10.6	7.2	--	3	--	--	--	22	5	3	--	--	--	--	--
1300	5050	462															
89 D 861.1 142.6 BIG BREAK NEAR OAKLEY																	
10/09/74	50J1	18 C	9.4	7.9	--	3	--	--	--	6.2 B	--	--	--	--	--	--	--
1205	5050	166								28	5	10	--	--	--	--	--
10/23/74	50J1	18 C	9.0	7.8	--	3	--	--	--	--	--	--	--	--	--	--	--
1140	5050	142								30	5	5	--	--	--	--	--
11/21/74	50J1	13 C	9.2	7.8	--	3	--	--	--	1.0 B	--	--	--	--	--	--	--
1200	5050	182								10	5	7	--	--	--	--	--
12/11/74	50J1	10 C	9.9	7.2	--	3	--	--	--	1.4 B	--	--	--	--	--	--	--
1535	5050	177								14	5	4	--	--	--	--	--
01/08/75	50J1	8 C	11.3	7.9	--	3	--	--	--	1.6 B	--	--	--	--	--	--	--
1425	5050	231								38	5	7	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	015CH MBAS	DEPTH TURB	T+L CM/LR	SET S ML/L COLOR MG/L	R0D SUS S	C0D V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T OODR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
R9 D 801.1 142.6 RIG BREAK NEAR OAKLEY																
CONTINUED																
02/06/75 1445	5001 5050	9 C 219	11.0	7.7	--	3	--	--	1.3 C 22 S	--	--	--	--	--	--	--
03/20/75 1055	5001 5050	11 C 206	10.1	7.8	--	3	--	--	1.1 R 46 S	--	--	--	--	--	--	--
04/03/75 1145	5001 5050	12 C 203	10.1	7.9	--	3	--	--	1.5 B 48 S	--	--	--	--	--	--	--
04/23/75 1805	5001 5050	1A C 178	10.3	8.0	--	3	--	--	-- S 34 S	--	--	--	--	--	--	--
05/08/75 1825	5001 5050	1A C 143	11.0	8.8	--	3	--	--	2.7 B 26 S	--	--	--	--	--	--	--
05/22/75 1640	5001 5050	20 C 160	10.0	8.4	--	3	--	--	-- S 32 S	--	--	--	--	--	--	--
06/05/75 1700	5001 5050	23 C 173	8.4	8.0	--	3	--	--	2.2 H 68 S	--	--	--	--	--	--	--
06/19/75 1450	5001 5050	20 C 152	8.6	7.6	--	3	--	--	-- S 40 S	--	--	--	--	--	--	--
07/03/75 1400	5001 5050	21 C 152	8.7	7.9	--	3	--	--	-- S 38 S	--	--	--	--	--	--	--
07/17/75 1505	5001 5050	23 C 176	8.5	7.8	--	3	--	--	0.9 R 39 S	--	--	--	--	--	--	--
08/14/75 1200	5001 5050	21 C 330	8.9	8.3	--	3	--	--	1.1 R 43 S	--	--	--	--	--	--	--
08/27/75 0920	5001 5050	20 C 350	8.3	8.1	--	3	--	--	-- S 48 S	--	--	--	--	--	--	--
09/03/75 1725	5001 5050	26 C 258	9.6	8.3	--	3	--	--	1.5 C 21 S	--	--	--	--	--	--	--
09/17/75 1635	5001 5050	21 C 243	9.1	8.1	--	3	--	--	-- S 35 S	--	--	--	--	--	--	--
R9 D 801.2 142.5 SAN JOAQUIN RIVER AT ANTILOCH SHIP CHANNEL																
10/09/74 1135	5001 5050	19 C 178	8.6	7.9	--	3	--	--	0.9 R 38 S	--	--	--	--	--	--	--
10/09/74 1136	5001 5050	20 C 183	--	--	--	34	--	--	-- S 73 S	--	--	--	--	--	--	--
10/23/74 1105	5001 5050	1A C 175	8.2	7.7	--	3	--	--	-- S 40 S	--	--	--	--	--	--	--
10/23/74 1106	5001 5050	1A C 176	--	--	--	35	--	--	-- S 53 S	--	--	--	--	--	--	--
11/21/74 1135	5001 5050	14 C 175	8.9	7.8	--	3	--	--	0.8 H 20 S	--	--	--	--	--	--	--
11/21/74 1136	5001 5050	14 C 730	--	--	--	30	--	--	-- S 54 S	--	--	--	--	--	--	--
12/11/74 1505	5001 5050	18 C 138	9.9	7.5	--	3	--	--	1.1 R 28 S	--	--	--	--	--	--	--
12/11/74 1506	5001 5050	10 C 147	--	--	--	33	--	--	-- S 37 S	--	--	--	--	--	--	--
01/08/75 1355	5001 5050	A C 273	11.5	7.8	--	3	--	--	1.6 R 48 S	--	--	--	--	--	--	--
01/08/75 1356	5001 5050	A C 265	--	--	--	35	--	--	-- S 48 S	--	--	--	--	--	--	--
02/06/75 1415	5001 5050	9 C 342	10.4	7.7	--	3	--	--	1.3 R 34 S	--	--	--	--	--	--	--
02/06/75 1416	5001 5050	9 C 341	--	--	--	34	--	--	-- S 47 S	--	--	--	--	--	--	--
03/20/75 1025	5001 5050	12 C 222	9.7	7.6	--	3	--	--	1.0 R 55 S	--	--	--	--	--	--	--
03/20/75 1026	5001 5050	12 C 218	--	--	--	31	--	--	-- S 61 S	--	--	--	--	--	--	--
04/03/75 1115	5001 5050	12 C 185	10.1	7.8	--	3	--	--	1.3 R 59 S	--	--	--	--	--	--	--
04/03/75 1116	5001 5050	12 C 188	--	--	--	35	--	--	-- S 80 S	--	--	--	--	--	--	--
04/23/75 1535	5001 5050	15 C 179	9.7	7.9	--	3	--	--	-- S 41 S	--	--	--	--	--	--	--
04/23/75 1536	5001 5050	15 C 181	--	--	--	30	--	--	-- S 53 S	--	--	--	--	--	--	--
05/09/75 1555	5001 5050	16 C 166	10.1	8.1	--	3	--	--	2.1 R 43 S	--	--	--	--	--	--	--
05/08/75 1556	5001 5050	17 C 163	--	--	--	30	--	--	-- S 54 S	--	--	--	--	--	--	--
05/22/75 1605	5001 5050	18 C 179	9.5	8.2	--	3	--	--	-- S 32 S	--	--	--	--	--	--	--
05/22/75 1606	5001 5050	19 C 185	--	--	--	49	--	--	-- S 33 S	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO S.M.	F-PH L-PH	DISCH MBS	DEPTH TURB	T/L CHLOR	SET 5 D+0 COLOR	ML/L ML/L	800 SUS 5	COD SUS 5	CYANIDE PHENOLS	TOC DOC	100IDE T DOOR	BARIUM SULFITE	T SULF D SULF	CC EXT CA EXT
R9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL CONTINUED																	
06/05/75 1625	5001 5050	21 C 167	8.7	8.0	--	3	--	--	--	1.3 8 38 5	--	--	--	--	--	--	--
06/05/75 1626	5001 5050	22 C 169			--	32	--	--	--	6.9 5	6	--	--	--	--	--	--
06/19/75 1420	5001 5050	20 C 157	8.3	7.7	--	3	--	--	--	4.7 5	7	--	--	--	--	--	--
06/19/75 1421	5001 5050	20 C 157			--	31	--	--	--	4.9 5	7	--	--	--	--	--	--
07/03/75 1335	5001 5050	20 C 169	8.8	7.8	--	3	--	--	--	36 5	6	--	--	--	--	--	--
07/03/75 1336	5001 5050	22 C 260			--	32	--	--	--	42 5	7	--	--	--	--	--	--
07/17/75 1430	5001 5050	22 C 426	7.6	7.9	--	3	--	--	--	1.0 8 40 5	7	--	--	--	--	--	--
07/17/75 1431	5001 5050	23 C 459			--	21	--	--	--	52 5	8	--	--	--	--	--	--
08/14/75 1130	5001 5050	21 C 1150	8.1	8.1	--	3	--	--	--	1.6 8 59 5	12	--	--	--	--	--	--
08/14/75 1131	5001 5050	21 C 1370			--	33	--	--	--	72 5	12	--	--	--	--	--	--
08/27/75 0855	5001 5050	22 C 707	7.4	7.9	--	3	--	--	--	55 5	8	--	--	--	--	--	--
08/27/75 0856	5001 5050	21 C 775			--	27	--	--	--	55 5	6	--	--	--	--	--	--
09/03/75 1640	5001 5050	22 C 527	7.4	7.8	--	3	--	--	--	1.0 C 36 5	7	--	--	--	--	--	--
09/03/75 1641	5001 5050	24 C 851			--	32	--	--	--	78 5	12	--	--	--	--	--	--
09/17/75 1605	5001 5050	28 C 419	8.0	8.0	--	3	--	--	--	37 5	6	--	--	--	--	--	--
09/17/75 1606	5001 5050	20 C 471			--	34	--	--	--	60 5	6	--	--	--	--	--	--
R9 D 802.6 125.1 DISAPPOINTMENT SLOUGH AT HISHOP CUT																	
10/02/74 0800	5001 5050	20 C 172	6.8	7.2	--	3	--	--	--	41 5	8	--	--	--	--	--	--
10/16/74 0745	5001 5050	17 C 142	7.1	7.2	--	3	--	--	--	36 5	10	--	--	--	--	--	--
11/06/74 1225	5001 5050	15 C 231	7.9	7.3	--	3	--	--	--	26 5	3	--	--	--	--	--	--
11/18/74 1040	5001 5050	16 C 240	7.6	7.4	--	3	--	--	--	31 5	5	--	--	--	--	--	--
12/17/74 1015	5001 5050	10 C 277	7.8	7.4	--	3	--	--	--	27 5	6	--	--	--	--	--	--
01/21/75 1335	5001 5050	8 C 372	8.4	7.2	--	3	--	--	--	29 5	6	--	--	--	--	--	--
02/03/75 1240	5001 5050	8 C 407	10.7		--	3	--	--	--	32 5	4	--	--	--	--	--	--
03/18/75 0805	5001 5050	11 C 289	7.2	8.1	--	3	--	--	--	66 5	9	--	--	--	--	--	--
04/01/75 0955	5001 5050	11 C 365	9.0	7.7	--	3	--	--	--	46 5	8	--	--	--	--	--	--
04/18/75 1026	5001 5050	14 C 317	9.9	7.8	--	3	--	--	--	36 5	5	--	--	--	--	--	--
05/01/75 1005	5001 5050	17 C 229	9.7	7.7	--	3	--	--	--	39 5	7	--	--	--	--	--	--
05/15/75 0830	5001 5050	17 C 144	7.7	7.4	--	3	--	--	--	63 5	10	--	--	--	--	--	--
06/03/75 1345	5001 5050	22 C 185	7.2	7.3	--	3	--	--	--	52 5	4	--	--	--	--	--	--
06/17/75 1255	5001 5050	21 C 215	6.6	7.5	--	3	--	--	--	63 5	9	--	--	--	--	--	--
07/01/75 1205	5001 5050	22 C 234	6.2	7.7	--	3	--	--	--	54 5	8	--	--	--	--	--	--
07/15/75 1130	5001 5050	22 C 237	5.8	8.1	--	3	--	--	--	64 5	9	--	--	--	--	--	--
08/12/75 1135	5001 5050	21 C 260	7.1	6.8	--	3	--	--	--	50 5	11	--	--	--	--	--	--
08/26/75 0905	5001 5050	24 C 228	6.6	7.4	--	3	--	--	--	36 5	7	--	--	--	--	--	--
09/11/75 1035	5001 5050	22 C 221	7.1	7.7	--	3	--	--	--	24 5	3	--	--	--	--	--	--
09/25/75 1020	5001 5050	23 C 250	6.3	7.6	--	3	--	--	--	35 5	8	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	OISCH MHA5	DEPTH TURB	T-L CHLOR	DO M/L	SET 5 M/L	800 SUS 5	COD V SUS 5	CYANIDE PHENOLS	TOC DOC	IOIOE T OOR	BROMIDE SULFITE	T SULF O SULF	CC EAT CA EAT
89 D 802.0 136.8 FRANKS TRACT NEAR RUSSOS LANDING																	
10/08/74	5001	18 C	8.6	7.9	--	3	--	--	--	27	5	3	--	--	--	--	--
1205	5050	105			--												
10/22/74	5001	18 C	8.8	7.7	--	3	--	--	--	22	5	--	--	--	--	--	--
1235	5050	136			--												
11/20/74	5001	13 C	9.0	7.7	--	3	--	--	--	9	5	4	--	--	--	--	--
1120	5050	201			--												
12/10/74	5001	10 C	9.6	7.6	--	3	--	--	--	16	5	7	--	--	--	--	--
1530	5050	262			--												
01/07/75	5001	7 C	11.2	7.6	--	3	--	--	--	17	5	1	--	--	--	--	--
1445	5050	209			--												
02/05/75	5001	8 C	11.0	7.3	--	3	--	--	--	23	5	5	--	--	--	--	--
1355	5050	211			--												
03/19/75	5001	12 C		7.6	--	3	--	--	--	46	5	4	--	--	--	--	--
1035	5050	263			--												
04/02/75	5001	12 C	10.1	7.8	--	3	--	--	--	41	5	5	--	--	--	--	--
1055	5050	266			--												
04/22/75	5001	15 C	10.0	7.8	--	3	--	--	--	29	5	4	--	--	--	--	--
1605	5050	108			--												
05/07/75	5001	17 C	10.5	8.2	--	3	--	--	--	42	5	8	--	--	--	--	--
1610	5050	139			--												
05/21/75	5001	18 C	9.9	8.2	--	3	--	--	--	40	5	10	--	--	--	--	--
1525	5050	137			--												
06/04/75	5001	24 C	10.0	8.4	--	3	--	--	--	30	5	4	--	--	--	--	--
1446	5050	167			--												
06/18/75	5001	21 C	8.6	7.8	--	3	--	--	--	47	5	8	--	--	--	--	--
1410	5050	154			--												
07/02/75	5001	21 C	8.5	7.8	--	3	--	--	--	38	5	7	--	--	--	--	--
1310	5050	146			--												
07/16/75	5001	22 C	7.9	7.9	--	3	--	--	--	40	5	9	--	--	--	--	--
1435	5050	103			--												
08/13/75	5001	22 C	8.4	8.0	--	3	--	--	--	42	5	10	--	--	--	--	--
1120	5050	202			--												
08/26/75	5001	22 C	8.3	8.0	--	3	--	--	--	37	5	6	--	--	--	--	--
1000	5050	211			--												
09/02/75	5001	24 C	10.2	8.5	--	3	--	--	--	20	5	3	--	--	--	--	--
1550	5050	236			--												
09/10/75	5001	21 C	9.5	8.2	--	3	--	--	--	20	5	3	--	--	--	--	--
1610	5050	204			--												
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																	
10/08/74	5001	19 C	8.2	7.8	--	3	--	--	--	34	5	2	--	--	--	--	--
1020	5050	186			--												
10/22/74	5001	18 C	8.3	7.6	--	3	--	--	--	22	5	3	--	--	--	--	--
1045	5050	160			--												
11/20/74	5001	14 C	8.7	7.7	--	3	--	--	--	11	5	3	--	--	--	--	--
0935	5050	184			--												
12/10/74	5001	10 C	9.5	7.6	--	3	--	--	--	23	5	7	--	--	--	--	--
1325	5050	148			--												
01/07/75	5001	7 C	12.1	7.6	--	3	--	--	--	19	5	1	--	--	--	--	--
1240	5050	235			--												
02/05/75	5001	9 C	10.8	7.2	--	3	--	--	--	26	5	3	--	--	--	--	--
1145	5050	294			--												
03/19/75	5001	11 C	10.1	7.6	--	3	--	--	--	62	5	5	--	--	--	--	--
0800	5050	197			--												
04/02/75	5001	11 C	10.0	7.7	--	3	--	--	--	74	5	6	--	--	--	--	--
0835	5050	149			--												
04/22/75	5001	14 C	9.5	7.9	--	3	--	--	--	46	5	5	--	--	--	--	--
1340	5050	180			--												
05/07/75	5001	16 C	9.7	7.8	--	3	--	--	--	51	5	8	--	--	--	--	--
1420	5050	141			--												
05/21/75	5001	17 C	9.4	8.1	--	3	--	--	--	42	5	6	--	--	--	--	--
1335	5050	144			--												
06/04/75	5001	21 C	8.8	7.8	--	3	--	--	--	30	5	3	--	--	--	--	--
1300	5050	158			--												
06/18/75	5001	20 C	8.6	7.8	--	3	--	--	--	64	5	9	--	--	--	--	--
1220	5050	140			--												
07/02/75	5001	20 C	8.7	8.0	--	3	--	--	--	46	5	6	--	--	--	--	--
1110	5050	150			--												
07/16/75	5001	21 C	8.0	7.8	--	3	--	--	--	42	5	7	--	--	--	--	--
1050	5050	425			--												
08/13/75	5001	20 C	8.2	8.0	--	3	--	--	--	71	5	12	--	--	--	--	--
0930	5050	876			--												
08/26/75	5001	21 C	8.1	7.9	--	3	--	--	--	64	5	13	--	--	--	--	--
0720	5050	832			--												

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISC MBAS	DEPTH TURB	T-L CHLOR	SET S H/L COLOR	800 SUS S	COO V SUS S	CYANIDE PHENOLS	TGC DOC	100IOE T DOOR	BRONIOE SULFITE	T SULF D SULF	CC EXT CA EXT
R9 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																
CONTINUED																
09/02/75	5001	22 C	8.0	7.9	--	3	--	--	--	--	--	--	--	--	--	--
1400	5150								40	5	5					
09/16/75	5001	20 C	8.3	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1410	5050								4	5	3					
R9 D 802.9 132.0 SAN JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER																
10/01/74	5001	20 C	7.9	7.6	--	3	--	--	--	--	--	--	--	--	--	--
0800	5130								26	5	3					
10/16/74	5001	18 C	7.8	7.6	--	3	--	--	--	--	--	--	--	--	--	--
0700	5050								24	5	8					
11/06/74	5001	15 C	8.1	7.4	--	3	--	--	--	--	--	--	--	--	--	--
1230	5130								19	5	2					
11/18/74	5001	14 C	8.2	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1030	5130								14	5	0					
12/17/74	5001	10 C	9.1	7.2	--	3	--	--	--	--	--	--	--	--	--	--
0905	5130								20	5	6					
02/03/75	5001	8 C	11.5	7.3	--	3	--	--	--	--	--	--	--	--	--	--
1130	5130								17	5	2					
R9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																
10/08/74	5001	19 C	8.6	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1145	5130								18	5	1					
10/22/74	5001	18 C	8.4	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1210	5130								23	5	4					
11/20/74	5001	13 C	9.1	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1100	5130								13	5	4					
12/10/74	5001	11 C	9.6	7.6	--	3	--	--	--	--	--	--	--	--	--	--
1500	5130								10	5	8					
01/07/75	5001	7 C	11.0	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1420	5130								18	5	3					
02/05/75	5001	8 C	10.4	7.4	--	3	--	--	--	--	--	--	--	--	--	--
1330	5130								24	5	7					
03/19/75	5001	11 C	9.7	7.6	--	3	--	--	--	--	--	--	--	--	--	--
1010	5130								58	5	5					
04/02/75	5001	11 C	10.3	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1025	5130								68	5	6					
04/22/75	5001	14 C	9.8	7.8	--	3	--	--	--	--	--	--	--	--	--	--
1840	5130								32	5	5					
05/07/75	5001	14 C	10.1	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1550	5130								40	5	8					
05/21/75	5001	17 C	9.3	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1500	5130								32	5	5					
06/04/75	5001	21 C	8.7	7.9	--	3	--	--	--	--	--	--	--	--	--	--
1420	5130								184	5	4					
06/18/75	5001	20 C	8.5	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1345	5130								40	5	8					
07/02/75	5001	20 C	8.5	7.8	--	3	--	--	--	--	--	--	--	--	--	--
1245	5130								44	5	5					
07/16/75	5001	22 C	8.4	7.9	--	3	--	--	--	--	--	--	--	--	--	--
1715	5130								34	5	7					
08/13/75	5001	22 C	8.0	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1100	5130								38	5	9					
08/26/75	5001	23 C	8.2	7.8	--	3	--	--	--	--	--	--	--	--	--	--
0935	5130								32	5	5					
09/09/75	5111	25 C	8.2	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1530	5130								21	5	3					
09/16/75	5001	26 C	8.3	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1540	5130								22	5	4					
R9 D 804.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																
10/08/74	5001	19 C	8.7	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1000	5130								29	5	2					
10/22/74	5001	18 C	8.0	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1015	5130								35	5	4					
11/20/74	5001	13 C	9.0	7.7	--	3	--	--	--	--	--	--	--	--	--	--
0900	5130								1.5	8	--					
12/10/74	5001	11 C	9.8	7.6	--	3	--	--	--	--	--	--	--	--	--	--
1305	5130								40	5	10					
01/07/75	5001	7 C	11.0	7.2	--	3	--	--	--	--	--	--	--	--	--	--
1215	5130								1.2	8	3					
02/05/75	5001	8 C	10.9	7.3	--	3	--	--	--	--	--	--	--	--	--	--
1120	5130								26	5	7					
03/19/75	5001	11 C	10.8	7.6	--	3	--	--	--	--	--	--	--	--	--	--
0730	5130								1.3	8	19					
04/02/75	5001	11 C	9.8	7.9	--	3	--	--	--	--	--	--	--	--	--	--
0800	5130								82	5	6					



TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T+L CHLOR	SET 5 O+D ML/L COLOR MG/L	800 SUS 5	COO Y SUS 5	CYANIDE PHENOLS	TOC DOC	10010E T ODOB	BROMIDE SULFITE	T SULF O SULF	CC EAT CA EXT
99 D 803.8 149.2 SACHAMENTO RIVER ABOVE POINT SACHAMENTO CONTINUED																
04/22/75	5001	14 C	9.9	7.9	--	3	--	--	--	--	--	--	--	--	--	--
1305	5030	174			--				46	5	6	--	--	--	--	--
05/07/75	5001	14 C	9.4	7.8	--	3	--	--	1.7	R	--	--	--	--	--	--
1345	5030	146			--				36	5	5	--	--	--	--	--
05/21/75	5001	17 C	9.2	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1300	5030	139			--				46	5	6	--	--	--	--	--
06/04/75	5001	20 C	8.9	7.9	--	3	--	--	1.6	R	--	--	--	--	--	--
1235	5030	163			--				48	5	6	--	--	--	--	--
06/18/75	5001	20 C	8.4	7.8	--	3	--	--	38	5	7	--	--	--	--	--
1145	5030	132			--				--	--	--	--	--	--	--	--
07/02/75	5001	20 C	8.5	7.9	--	3	--	--	44	5	5	--	--	--	--	--
1040	5030	168			--				--	--	--	--	--	--	--	--
07/16/75	5001	21 C	7.7	7.8	--	3	--	--	0.9	R	--	--	--	--	--	--
1015	5030	541			--				64	5	8	--	--	--	--	--
08/13/75	5001	21 C	8.1	8.0	--	3	--	--	1.2	R	--	--	--	--	--	--
0915	5030	1750			--				72	5	12	--	--	--	--	--
08/26/75	5001	21 C	8.2	7.9	--	3	--	--	--	--	--	--	--	--	--	--
0850	5030	912			--				63	5	11	--	--	--	--	--
09/02/75	5001	22 C	8.0	7.9	--	3	--	--	0.8	C	--	--	--	--	--	--
1345	5030	190			--				34	5	4	--	--	--	--	--
09/16/75	5001	20 C	8.7	8.0	--	3	--	--	--	--	--	--	--	--	--	--
1420	5030	354			--				48	5	5	--	--	--	--	--
99 D 884.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																
10/08/74	5001	18 C	8.5	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1220	5030	144			--				15	5	1	--	--	--	--	--
10/22/74	5001	17 C	8.2	7.5	--	3	--	--	--	--	--	--	--	--	--	--
1250	5030	132			--				14	5	2	--	--	--	--	--
11/20/74	5001	13 C	8.8	7.6	--	3	--	--	--	--	--	--	--	--	--	--
1140	5030	169			--				9	5	4	--	--	--	--	--
01/07/75	5001	7 C	11.2	7.6	--	3	--	--	--	--	--	--	--	--	--	--
1510	5030	193			--				18	5	3	--	--	--	--	--
02/05/75	5001	8 C	11.0	7.3	--	3	--	--	--	--	--	--	--	--	--	--
1415	5030	186			--				38	5	7	--	--	--	--	--
03/19/75	5001	11 C	9.5	7.6	--	3	--	--	--	--	--	--	--	--	--	--
1050	5030	232			--				43	5	6	--	--	--	--	--
04/02/75	5001	12 C	10.2	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1125	5030	143			--				58	5	5	--	--	--	--	--
04/22/75	5001	14 C	9.4	7.8	--	3	--	--	--	--	--	--	--	--	--	--
1625	5030	168			--				29	5	4	--	--	--	--	--
05/07/75	5001	15 C	9.6	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1630	5030	122			--				38	5	7	--	--	--	--	--
05/21/75	5001	17 C	8.9	7.8	--	3	--	--	--	--	--	--	--	--	--	--
1540	5030	143			--				25	5	7	--	--	--	--	--
06/04/75	5001	21 C	8.0	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1455	5030	161			--				43	5	4	--	--	--	--	--
06/18/75	5001	21 C	7.9	7.6	--	3	--	--	--	--	--	--	--	--	--	--
1425	5030	137			--				36	5	7	--	--	--	--	--
07/02/75	5001	21 C	8.2	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1330	5030	145			--				29	5	5	--	--	--	--	--
07/16/75	5001	23 C	7.7	7.7	--	3	--	--	--	--	--	--	--	--	--	--
1255	5030	149			--				31	5	7	--	--	--	--	--
08/13/75	5001	22 C	8.0	7.9	--	3	--	--	--	--	--	--	--	--	--	--
1140	5030	152			--				40	5	8	--	--	--	--	--
08/26/75	5001	22 C	7.9	7.8	--	3	--	--	--	--	--	--	--	--	--	--
1015	5030	169			--				32	5	6	--	--	--	--	--
09/02/75	5001	22 C	8.2	7.8	--	3	--	--	--	--	--	--	--	--	--	--
1615	5030	160			--				20	5	2	--	--	--	--	--
09/16/75	5001	20 C	8.5	7.9	--	3	--	--	--	--	--	--	--	--	--	--
1650	5030	168			--				18	5	2	--	--	--	--	--
99 D 805.0 128.1 WHITE SLOUGH AT CORNEJA FERRY (SITE)																
10/02/74	5001	19 C	7.9	7.3	--	3	--	--	--	--	--	--	--	--	--	--
0715	5030	112			--				33	5	5	--	--	--	--	--
10/16/74	5001	16 C	8.4	7.1	--	3	--	--	--	--	--	--	--	--	--	--
0705	5030	77			--				18	5	7	--	--	--	--	--
11/04/74	5001	14 C	8.3	7.2	--	3	--	--	--	--	--	--	--	--	--	--
1140	5030	112			--				7	5	0	--	--	--	--	--
11/18/74	5001	13 C	8.7	7.3	--	3	--	--	--	--	--	--	--	--	--	--
0955	5030	95			--				14	5	3	--	--	--	--	--
12/17/74	5001	9 C	9.7	7.3	--	3	--	--	--	--	--	--	--	--	--	--
0930	5030	153			--				14	5	3	--	--	--	--	--
01/21/75	5001	8 C	10.0	7.3	--	3	--	--	--	--	--	--	--	--	--	--
1250	5030	195			--				29	5	6	--	--	--	--	--
02/03/75	5001	8 C	11.2		--	3	--	--	--	--	--	--	--	--	--	--
1200	5030	208			--				24	5	4	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP °C	DO G.M.	P-H L-PH	DISCH MGAS	DEPTH TURB	T-L CHLOR	SET 5 ML/L O-G COLOR	800 SUS 5	COD V SUS 5	CYANIDE PHENOLS	70C DOC	10010E T DOOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
89 0 805.1 144.3 SACRAMENTO RIVER AT EMMAOT																
10/08/74	5001	1A	C	8.7	7.8		3	--	--	--	--	--	--	--	--	--
1040	5050	148				--			24	5	1					
10/22/74	5001	17	C	8.7	7.6		3	--	--	--	--	--	--	--	--	--
1110	5050	135				--			24	5	3					
11/20/74	5001	13	C	9.5	7.7		3	--	--	--	--	--	--	--	--	--
0955	5050	141				--			10	5	3					
12/10/74	5001	10	C	9.6	7.6		3	--	--	--	--	--	--	--	--	--
1350	5050	133				--			18	5	7					
01/07/75	5001	7	C	10.8	7.6		3	--	--	--	--	--	--	--	--	--
1305	5050	191				--			21	5	4					
02/05/75	5001	8	C	10.8	7.3		3	--	--	--	--	--	--	--	--	--
1220	5050	174				--			52	5	6					
03/19/75	5001	11	C	10.2	7.6		3	--	--	--	--	--	--	--	--	--
0825	5050	189				--			57	5	16					
04/02/75	5001	11	C	10.1	7.8		3	--	--	--	--	--	--	--	--	--
0805	5050	149				--			94	5	9					
04/22/75	5001	14	C	9.8	7.9		3	--	--	--	--	--	--	--	--	--
1415	5050	172				--			57	5	6					
05/07/75	5001	15	C	9.6	7.7		3	--	--	--	--	--	--	--	--	--
1440	5050	131				--			38	5	7					
05/21/75	5001	17	C	9.2	7.9		3	--	--	--	--	--	--	--	--	--
1355	5050	138				--			36	5	5					
06/04/75	5001	20	C	8.6	7.9		3	--	--	--	--	--	--	--	--	--
1320	5050	155				--			30	5	2					
06/18/75	5001	20	C	8.6	7.7		3	--	--	--	--	--	--	--	--	--
1240	5050	128				--			42	5	8					
07/02/75	5001	19	C	8.8	7.9		3	--	--	--	--	--	--	--	--	--
1135	5050	150				--			31	5	4					
07/16/75	5001	22	C	8.2	8.0		3	--	--	--	--	--	--	--	--	--
1110	5050	165				--			34	5	7					
08/13/75	5001	21	C	8.2	8.0		3	--	--	--	--	--	--	--	--	--
0955	5050	238				--			52	5	10					
08/26/75	5001	21	C	8.3	8.0		3	--	--	--	--	--	--	--	--	--
0750	5050	246				--			46	5	9					
09/02/75	5001	22	C	8.5	7.9		3	--	--	--	--	--	--	--	--	--
1420	5050	240				--			25	5	4					
09/16/75	5001	20	C	8.8	8.0		3	--	--	--	--	--	--	--	--	--
1440	5050	238				--			23	5	4					
89 0 805.8 140.1 SAN JOAQUIN RIVER AT MITCHELL ISLAND																
10/08/74	5001	19	C	8.8	8.0		3	--	--	--	--	--	--	--	--	--
1300	5050	151				--			1.0	8						
10/22/74	5001	17	C	8.7	7.7		3	--	--	--	--	--	--	--	--	--
1325	5050	132				--			15	5	4					
11/20/74	5001	13	C	9.0	7.7		3	--	--	--	--	--	--	--	--	--
1225	5050	162				--			1.1	8						
12/10/74	5001	10	C	9.8	7.6		3	--	--	--	--	--	--	--	--	--
1650	5050	154				--			14	5	4					
01/07/75	5001	7	C	11.3	7.6		3	--	--	--	--	--	--	--	--	--
1550	5050	185				--			1.0	8						
02/05/75	5001	8	C	11.0	7.3		3	--	--	--	--	--	--	--	--	--
1500	5050	193				--			2.2	8						
03/19/75	5001	11	C	9.7	7.6		3	--	--	--	--	--	--	--	--	--
1125	5050	218				--			1.3	8						
04/02/75	5001	11	C	10.2	7.7		3	--	--	--	--	--	--	--	--	--
1200	5050	193				--			53	5	8					
04/22/75	5001	14	C	10.0	7.9		3	--	--	--	--	--	--	--	--	--
1655	5050	162				--			1.5	8						
05/07/75	5001	15	C	9.9	7.8		3	--	--	--	--	--	--	--	--	--
1700	5050	134				--			68	5	7					
05/21/75	5001	17	C	9.0	7.9		3	--	--	--	--	--	--	--	--	--
1610	5050	132				--			1.9	8						
06/04/75	5001	21	C	8.5	7.8		3	--	--	--	--	--	--	--	--	--
1520	5050	156				--			36	5	4					
06/18/75	5001	20	C	8.4	7.4		3	--	--	--	--	--	--	--	--	--
1500	5050	139				--			24	5	7					
07/02/75	5001	20	C	8.6	7.8		3	--	--	--	--	--	--	--	--	--
1405	5050	148				--			1.4	8						
07/16/75	5001	22	C	8.2	7.9		3	--	--	--	--	--	--	--	--	--
1400	5050	157				--			26	5	5					
08/13/75	5001	22	C	8.1	7.9		3	--	--	--	--	--	--	--	--	--
1210	5050	225				--			0.7	8						
08/26/75	5001	22	C	8.4	7.9		3	--	--	--	--	--	--	--	--	--
1050	5050	231				--			28	5	7					

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T+L CHLOR	SET S ML/L COLOR MO/L	800 SUS S	COO V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
R9 D 805.0 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND CONTINUED																
09/02/75 1845	5001 5050	22.3	8.6	7.9	--	3	--	--	1.0 C 23 S	--	--	--	--	--	--	--
09/16/75 1720	5001 5050	20.3	8.9	8.0	--	3	--	--	20 S	3	--	--	--	--	--	--
R9 D 805.0 135.2 SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING																
10/02/74 1000	5001 5050	19 C 152	8.4	7.5	--	3	--	--	22 S	2	--	--	--	--	--	--
10/08/74 1230	5001 5050	18 C 140	8.5	7.7	--	3	--	--	15 S	1	--	--	--	--	--	--
10/17/74 0950	5001 5050	18 C 130	8.3	7.5	--	3	--	--	29 S	3	--	--	--	--	--	--
10/22/74 1305	5001 5050	17 C 127	8.9	7.5	--	3	--	--	13 S	4	--	--	--	--	--	--
11/07/74 1415	5001 5050	14 C 177	8.6	7.5	--	3	--	--	18 S	3	--	--	--	--	--	--
11/19/74 1120	5001 5050	13 C 156	9.3	7.6	--	3	--	--	13 S	0	--	--	--	--	--	--
11/20/74 1200	5001 5050	13 C 155	9.0	7.6	--	3	--	--	10 S	3	--	--	--	--	--	--
12/10/74 1810	5001 5050	10 C 173	9.6	7.6	--	3	--	--	22 S	8	--	--	--	--	--	--
01/07/75 1530	5001 5050	7 C 191	11.0	7.5	--	3	--	--	29 S	3	--	--	--	--	--	--
02/04/75 1325	5001 5050	8 C 203	11.2	7.9	--	3	--	--	28 S	1	--	--	--	--	--	--
02/05/75 1440	5001 5050	8 C 183	11.0	7.2	--	3	--	--	28 S	6	--	--	--	--	--	--
R9 D 807.6 129.7 HOXELUNNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH																
10/02/74 0820	5001 5050	19 C 114	8.3	7.3	--	3	--	--	17 S	0	--	--	--	--	--	--
10/17/74 0810	5001 5050	17 C 166	8.3	7.4	--	3	--	--	18 S	8	--	--	--	--	--	--
11/07/74 1245	5001 5050	13 C 134	9.0	7.4	--	3	--	--	27 S	0	--	--	--	--	--	--
11/19/74 0950	5001 5050	13 C 120	9.4	7.5	--	3	--	--	17 S	0	--	--	--	--	--	--
02/04/75 1145	5001 5050	8 C 176	11.2	7.4	--	3	--	--	18 S	1	--	--	--	--	--	--
03/18/75 0800	5001 5050	10 C 160	9.9	7.2	--	3	--	--	52 S	5	--	--	--	--	--	--
04/01/75 0810	5001 5050	10 C 122	8.9	7.6	--	3	--	--	104 S	10	--	--	--	--	--	--
04/16/75 0730	5001 5050	13 C 137	9.6	7.6	--	3	--	--	18 S	2	--	--	--	--	--	--
05/01/75 0840	5001 5050	14 C 106	9.6	7.7	--	3	--	--	42 S	7	--	--	--	--	--	--
05/15/75 0720	5001 5050	16 C 117	9.0	7.8	--	3	--	--	48 S	6	--	--	--	--	--	--
06/03/75 1245	5001 5050	20 C 83	8.2	7.5	--	3	--	--	37 S	3	--	--	--	--	--	--
06/17/75 1210	5001 5050	20 C 107	8.2	7.6	--	3	--	--	53 S	5	--	--	--	--	--	--
07/01/75 1150	5001 5050	20 C 140	8.2	7.6	--	3	--	--	34 S	4	--	--	--	--	--	--
07/15/75 1035	5001 5050	22 C 150	7.7	7.7	--	3	--	--	46 S	6	--	--	--	--	--	--
08/12/75 0905	5001 5050	22+OC 143	7.4	7.7	--	3	--	--	34 S	7	--	--	--	--	--	--
08/25/75 0745	5001 5050	22 C 177	7.3	7.6	--	3	--	--	40 S	9	--	--	--	--	--	--
09/11/75 0555	5001 5050	20 C 182	7.8	8.0	--	3	--	--	21 S	2	--	--	--	--	--	--
09/28/75 0940	5001 5050	21 C 160	7.4	--	--	3	--	--	14 S	4	--	--	--	--	--	--
R9 D 808.5 124.0 SYCAMORE SLOUGH NEAR MOUTH																
10/02/74 0800	5001 5050	20 C 137	7.6	7.5	--	3	--	--	2.2 H 15 S	0	--	--	--	--	--	--
10/17/74 0745	5001 5050	19 C 123	8.3	7.6	--	3	--	--	22 S	6	--	--	--	--	--	--
11/07/74 1220	5001 5050	14 C 111	8.3	7.6	--	3	--	--	1.7 H 28 S	2	--	--	--	--	--	--
11/19/74 0930	5001 5050	13 C 110	8.2	7.5	--	3	--	--	24 S	2	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T+L CHLOR	DO COLOR	SET 5 ML/L MG/L	MOO SUS 5	COO V SUS 5	CYANIDE PHENOLS	TOC DOC	IOOIVE T ODOR	BROMIDE SHLFITE	T SULF D SULF	CC EXT CA EXT
89 D 808.5 124.0 SYCAMORE SLOUGH NEAR MOUTH																	
										CONTINUED							
02/04/75 1120	5001 5030	8 C 177	11.5 --	7.3 --	--	3	--	--	--	1.3 8 25 5	--	--	--	--	--	--	--
03/18/75 0730	5001 5030	12 C 337	8.4 --	7.5 --	--	3	--	--	--	4.7 8 26 5	--	--	--	--	--	--	--
04/01/75 0750	5001 5030	11 C 264	7.7 --	7.9 --	--	3	--	--	--	5.2 8 48 5	--	--	--	--	--	--	--
04/16/75 0705	5001 5030	13 C 209	8.4 --	7.5 --	--	3	--	--	--	-- 16 5	--	--	--	--	--	--	--
05/01/75 0810	5001 5030	16 C 135	10.9 --	8.5 --	--	3	--	--	--	2.9 8 31 5	--	--	--	--	--	--	--
05/15/75 0650	5001 5030	17 C 93	8.8 --	7.8 --	--	3	--	--	--	-- 38 5	--	--	--	--	--	--	--
06/03/75 1215	5001 5030	21 C 85	8.8 --	8.0 --	--	3	--	--	--	1.4 8 37 5	--	--	--	--	--	--	--
06/17/75 1145	5001 5030	21 C 96	8.6 --	7.8 --	--	3	--	--	--	-- 37 5	--	--	--	--	--	--	--
07/01/75 1125	5001 5030	21 C 108	9.2 --	8.0 --	--	3	--	--	--	-- 22 5	--	--	--	--	--	--	--
07/15/75 1005	5001 5030	22 C 125	8.2 --	7.9 --	--	3	--	--	--	1.9 8 34 5	--	--	--	--	--	--	--
08/12/75 0845	5001 5030	23 C 126	7.2 --	7.6 --	--	3	--	--	--	1.5 8 34 5	--	--	--	--	--	--	--
08/25/75 0720	5001 5030	23 C 134	7.9 --	7.6 --	--	3	--	--	--	-- 25 5	--	--	--	--	--	--	--
09/11/75 0930	5001 5030	22 C 158	8.0 --	8.0 --	--	3	--	--	--	1.7 8 29 5	--	--	--	--	--	--	--
09/26/75 0910	5001 5030	22 C 155	8.5 --	--	--	3	--	--	--	-- 16 5	--	--	--	--	--	--	--
89 D 808.7 133.4 MOKELUMNE RIVER, NORTH FORK, AT ROAD SLOUGH																	
10/02/74 0850	5001 5030	18 C 118	8.3 --	7.4 --	--	3	--	--	--	22 5	1	--	--	--	--	--	--
10/17/74 0840	5001 5030	17 C 114	8.9 --	7.5 --	--	3	--	--	--	27 5	7	--	--	--	--	--	--
11/07/74 1310	5001 5030	13 C 118	9.4 --	7.5 --	--	3	--	--	--	16 5	0	--	--	--	--	--	--
11/19/74 1020	5001 5030	17 C 113	9.7 --	7.7 --	--	3	--	--	--	20 5	0	--	--	--	--	--	--
02/04/75 1220	5001 5030	18 C 195	10.6 --	7.6 --	--	3	--	--	--	-- 105 5	10	--	--	--	--	--	--
89 D 809.0 135.8 GEORGIANA SLOUGH NEAR ISLETON																	
10/02/74 0920	5001 5030	18 C 121	8.5 --	7.4 --	--	3	--	--	--	35 5	2	--	--	--	--	--	--
10/17/74 0910	5001 5030	17 C 109	8.3 --	7.5 --	--	3	--	--	--	22 5	2	--	--	--	--	--	--
11/07/74 1335	5001 5030	13 C 117	9.5 --	7.5 --	--	3	--	--	--	30 5	0	--	--	--	--	--	--
11/19/74 1045	5001 5030	17 C 113	9.7 --	7.7 --	--	3	--	--	--	17 5	0	--	--	--	--	--	--
02/04/75 1250	5001 5030	18 C 148	10.5 --	7.7 --	--	3	--	--	--	186 5	25	--	--	--	--	--	--
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																	
10/08/74 1100	5001 5030	17 C 117	8.8 --	7.9 --	--	3	--	--	--	13 5	2	--	--	--	--	--	--
10/22/74 1135	5001 5030	16 C 118	8.9 --	7.6 --	--	3	--	--	--	12 5	3	--	--	--	--	--	--
11/20/74 1025	5001 5030	13 C 122	9.5 --	7.7 --	--	3	--	--	--	4 5	2	--	--	--	--	--	--
12/10/74 1420	5001 5030	10 C 141	9.7 --	7.6 --	--	3	--	--	--	23 5	8	--	--	--	--	--	--
01/07/75 1330	5001 5030	7 C 170	11.4 --	7.6 --	--	3	--	--	--	16 5	2	--	--	--	--	--	--
02/05/75 1245	5001 5030	18 C 157	10.4 --	7.1 --	--	3	--	--	--	88 5	15	--	--	--	--	--	--
03/19/75 0850	5001 5030	18 C 104	10.4 --	7.6 --	--	3	--	--	--	75 5	6	--	--	--	--	--	--
04/02/75 0935	5001 5030	11 C 137	10.0 --	7.8 --	--	3	--	--	--	113 5	11	--	--	--	--	--	--
04/22/75 1450	5001 5030	14 C 182	9.8 --	7.9 --	--	3	--	--	--	36 5	5	--	--	--	--	--	--
05/07/75 1505	5001 5030	15 C 134	9.5 --	7.7 --	--	3	--	--	--	42 5	7	--	--	--	--	--	--
05/21/75 1425	5001 5030	17 C 165	8.9 --	7.8 --	--	3	--	--	--	33 5	4	--	--	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBS	DEPTH TURB	T+L CHLOR	SET 5 O+O COLOR	ML/L M/L	BOO SUS S	COO V SUS S	CYANIDE PHENOLS	TOC DOC	100IUO T ODOH	BROMIOE SULFITE	T SULF O SULF	CC EXT CA EXT
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																	
CONTINUED																	
06/04/75	5001	21	C	8.5	7.0		3	--	--	--	30	5	2	--	--	--	--
1340	5050	140				--		--	--	--				--	--	--	--
06/18/75	5001	20	C	8.5	7.7		3	--	--	--	43	5	16	--	--	--	--
1305	5050	120				--		--	--	--				--	--	--	--
07/02/75	5001	20	C	8.7	7.8		3	--	--	--	--	--	--	--	--	--	--
1200	5050	150				--		--	--	--	22	5	3	--	--	--	--
07/16/75	5001	22	C	8.3	7.8		3	--	--	--	--	--	--	--	--	--	--
1135	5050	152				--		--	--	--	28	5	6	--	--	--	--
08/13/75	5001	21	C	8.4	7.9		3	--	--	--	--	--	--	--	--	--	--
1020	5050	149				--		--	--	--	39	5	8	--	--	--	--
08/26/75	5001	22	C	8.0	7.0		3	--	--	--	--	--	--	--	--	--	--
0830	5050	160				--		--	--	--	19	5	5	--	--	--	--
09/02/75	5001	21	C	8.5	7.9		3	--	--	--	--	--	--	--	--	--	--
1450	5050	198				--		--	--	--	22	5	3	--	--	--	--
09/16/75	5001	20	C	8.5	7.9		3	--	--	--	--	--	--	--	--	--	--
1505	5050	197				--		--	--	--	3	5	1	--	--	--	--
89 D 814.5 133.2 SACRAMENTO RIVER NEAR RYOE																	
10/03/74	5001	17	C	8.2	7.4		3	--	--	--	--	--	--	--	--	--	--
0740	5050	102				--		--	--	--	13	5	2	--	--	--	--
10/17/74	5001	16	C	8.0	7.4		3	--	--	--	--	--	--	--	--	--	--
0730	5050	100				--		--	--	--	20	5	6	--	--	--	--
11/07/74	5001	13	C	9.7	7.1		3	--	--	--	--	--	--	--	--	--	--
1245	5050	110				--		--	--	--	22	5	8	--	--	--	--
11/19/74	5001	13	C	10.0	7.3		3	--	--	--	--	--	--	--	--	--	--
1035	5050	110				--		--	--	--	12	5	1	--	--	--	--
12/18/74	5001	10	C	10.6	7.5		3	--	--	--	--	--	--	--	--	--	--
1000	5050	119				--		--	--	--	25	5	2	--	--	--	--
01/22/75	5001	8	C	10.8	7.5		3	--	--	--	--	--	--	--	--	--	--
1310	5050	160				--		--	--	--	11	5	0	--	--	--	--
02/04/75	5001	8	C	10.5	7.5		3	--	--	--	--	--	--	--	--	--	--
1235	5050	116				--		--	--	--	277	5	26	--	--	--	--
89 D 815.3 126.3 HOKELUMNE RIVER NEAR YORNTON																	
10/02/74	5001	18	C	8.5	7.1		3	--	--	--	--	--	--	--	--	--	--
0625	5050	41				--		--	--	--	11	5	3	--	--	--	--
10/16/74	5001	15	C	9.2	6.7		3	--	--	--	--	--	--	--	--	--	--
0615	5050	38				--		--	--	--	9	5	6	--	--	--	--
11/06/74	5001	14	C	11.4	6.7		3	--	--	--	--	--	--	--	--	--	--
1050	5050	35				--		--	--	--	7	5	2	--	--	--	--
11/18/74	5001	13	C	8.8	7.1		3	--	--	--	--	--	--	--	--	--	--
0900	5050	45				--		--	--	--	14	5	3	--	--	--	--
12/17/74	5001	9	C	10.5	7.2		3	--	--	--	--	--	--	--	--	--	--
0835	5050	81				--		--	--	--	6	5	3	--	--	--	--
01/21/75	5001	8	C	11.1	7.1		3	--	--	--	--	--	--	--	--	--	--
1150	5050	99				--		--	--	--	19	5	4	--	--	--	--
02/03/75	5001	8	C	10.3			3	--	--	--	--	--	--	--	--	--	--
1045	5050	148				--		--	--	--	170	5	18	--	--	--	--
03/16/75	5001	12	C	10.3	7.3		3	--	--	--	--	--	--	--	--	--	--
1305	5050	130				--		--	--	--	38	5	5	--	--	--	--
04/01/75	5001	12	C	10.4	7.3		3	--	--	--	--	--	--	--	--	--	--
1440	5050	64				--		--	--	--	22	5	4	--	--	--	--
04/18/75	5001	11	C	10.4	7.2		3	--	--	--	--	--	--	--	--	--	--
0920	5050	66				--		--	--	--	8	5	2	--	--	--	--
05/01/75	5001	13	C	10.2	7.1		3	--	--	--	--	--	--	--	--	--	--
0900	5050	49				--		--	--	--	17	5	6	--	--	--	--
05/15/75	5001	15	C	9.4	6.8		3	--	--	--	--	--	--	--	--	--	--
0730	5050	57				--		--	--	--	40	5	6	--	--	--	--
06/03/75	5001	19	C	8.6	7.0		3	--	--	--	--	--	--	--	--	--	--
1250	5050	48				--		--	--	--	51	5	3	--	--	--	--
06/17/75	5001	18	C	9.2	7.1		3	--	--	--	--	--	--	--	--	--	--
1150	5050	49				--		--	--	--	22	5	5	--	--	--	--
07/01/75	5001	17	C	9.1	7.3		3	--	--	--	--	--	--	--	--	--	--
1105	5050	51				--		--	--	--	7	5	2	--	--	--	--
07/15/75	5001	20	C	7.9	7.3		3	--	--	--	--	--	--	--	--	--	--
1025	5050	57				--		--	--	--	25	5	5	--	--	--	--
08/12/75	5001	21.6	C	8.8	6.3		3	--	--	--	--	--	--	--	--	--	--
1005	5050	51				--		--	--	--	18	5	6	--	--	--	--
08/26/75	5001	20	C	8.7	7.1		3	--	--	--	--	--	--	--	--	--	--
1435	5050	58				--		--	--	--	24	5	3	--	--	--	--
09/11/75	5001	18	C	9.2	7.2		3	--	--	--	--	--	--	--	--	--	--
0915	5050	48				--		--	--	--	8	5	0	--	--	--	--
09/25/75	5001	17	C	9.5	6.9		3	--	--	--	--	--	--	--	--	--	--
0910	5050	51				--		--	--	--	8	5	2	--	--	--	--

TABLE D-4 (CONTINUED)  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO O.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T-L CHLOR	SET 5		800 SUS S	COO V SUS S	CYANIDE PHENOLS	TOC DOC	100IOE T DDOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
								O+G COLOR	ML/L MO/L								
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING																	
10/03/74	5001	17 C	8.5	7.2	--	3	--	--	--	1.9 8	--	--	--	--	--	--	--
0650	5050	105			--		--	--	--	29 5	3	--	--	--	--	--	--
10/17/74	5001	16 C	9.1	7.2	--	3	--	--	--	--	--	--	--	--	--	--	--
0655	5050	102			--		--	--	--	16 5	7	--	--	--	--	--	--
11/07/74	5001	13 C	9.5	6.9	--	3	--	--	--	1.4 8	--	--	--	--	--	--	--
1200	5050	119			--		--	--	--	16 5	6	--	--	--	--	--	--
11/19/74	5001	13 C	9.7	6.9	--	3	--	--	--	--	--	--	--	--	--	--	--
0955	5050	100			--		--	--	--	14 5	2	--	--	--	--	--	--
12/18/74	5001	9 C	10.4	7.4	--	3	--	--	--	1.1 8	--	--	--	--	--	--	--
0915	5050	122			--		--	--	--	19 5	2	--	--	--	--	--	--
01/22/75	5001	8 C	10.8	7.5	--	3	--	--	--	2.4 8	--	--	--	--	--	--	--
1225	5050	202			--		--	--	--	28 5	2	--	--	--	--	--	--
02/04/75	5001	8 C	10.8	7.4	--	3	--	--	--	2.6 8	--	--	--	--	--	--	--
1145	5050	167			--		--	--	--	149 5	22	--	--	--	--	--	--
02/19/75	5001	47.5F	10.8	7.2	--		--	--	--	--	--	0.001	--	--	--	--	--
1220	5050	126			--		--	--	--	--	--	--	--	--	--	--	--
03/18/75	5001	13 C	10.6	7.6	--	3	--	--	--	1.1 8	--	--	--	--	--	--	--
1345	5050	161			--		--	--	--	87 5	8	--	--	--	--	--	--
04/01/75	5001	12 C	10.5	7.5	--	3	--	--	--	0.9 8	--	--	--	--	--	--	--
1525	5050	133			--		--	--	--	164 5	15	--	--	--	--	--	--
04/18/75	5001	12 C	10.5	7.3	--	3	--	--	--	--	--	--	--	--	--	--	--
1655	5050	139			--		--	--	--	45 5	6	--	--	--	--	--	--
05/01/75	5001	14 C	10.1	7.5	--	3	--	--	--	1.2 8	--	--	--	--	--	--	--
0800	5050	117			--		--	--	--	29 5	5	--	--	--	--	--	--
05/15/75	5001	14 C	9.7	7.6	--	3	--	--	--	--	--	--	--	--	--	--	--
1450	5050	125			--		--	--	--	53 5	6	--	--	--	--	--	--
06/03/75	5001	19 C	8.7	7.5	--	3	--	--	--	1.1 8	--	--	--	--	--	--	--
1105	5050	142			--		--	--	--	35 5	2	--	--	--	--	--	--
06/17/75	5001	19 C	8.8	7.6	--	3	--	--	--	--	--	--	--	--	--	--	--
1010	5050	110			--		--	--	--	22 5	4	--	--	--	--	--	--
07/01/75	5001	19 C	8.4	7.8	--	3	--	--	--	--	--	--	--	--	--	--	--
0955	5050	152			--		--	--	--	35 5	4	--	--	--	--	--	--
07/15/75	5001	21 C	8.1	7.8	--	3	--	--	--	0.9 8	--	--	--	--	--	--	--
0915	5050	138			--		--	--	--	29 5	6	--	--	--	--	--	--
08/12/75	5001	21.7C	8.8	6.8	--	3	--	--	--	1.1 8	--	--	--	--	--	--	--
1110	5050	146			--		--	--	--	20 5	9	--	--	--	--	--	--
08/26/75	5001	20 C	8.4	7.3	--	3	--	--	--	--	--	--	--	--	--	--	--
0650	5050	164			--		--	--	--	18 5	2	--	--	--	--	--	--
09/11/75	5001	20 C	7.8	7.5	--	3	--	--	--	1.2 8	--	--	--	--	--	--	--
0805	5050	187			--		--	--	--	20 5	1	--	--	--	--	--	--
09/17/75	5001	69 F	7.6	7.4	--		--	--	--	--	--	0.001	--	--	--	--	--
1330	5050	163			--		--	--	--	--	--	--	--	--	--	--	--
09/25/75	5001	20 C	7.7	7.5	--	3	--	--	--	--	--	--	--	--	--	--	--
0815	5050	124			--		--	--	--	17 5	3	--	--	--	--	--	--

TABLE D-5

## NUTRIENT ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for SWRCB  
 5001 - U. S. Bureau of Reclamation  
 5050 - California Department of Water Resources

Abbreviations and Constituents

TIME - Pacific Standard Time on a 24-hour clock  
 G.H. - Instantaneous gage height in feet above an established datum  
 DISCH. - Instantaneous discharge in cubic feet per second  
 TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)  
 DEPTH - Depth in feet at which sample was collected  
 PH - Measure of acidity (<7) or alkalinity (>7) of water  
 EC - Electrical conductance in micromhos at 25°C  
 TURB - Jackson Turbidity Units measured with a Hellige Turbidimeter (E) or a Hack Nephelometer (A) with (F) for field determination  
 F-CO2 - Field determination of carbon dioxide in milligrams per liter  
 CACO3 P - Field Alkalinity (Phenol)  
 CACO3 T - Field Alkalinity (Total)  
 D NO2+NO3 - Dissolved nitrite and Nitrate as N.  
 T NH3 - Total ammonia as N  
 D NO2 - Dissolved nitrite as N  
 D NO3 - Dissolved nitrate as N  
 D ORG N - Dissolved organic nitrogen as N  
 T ORG N - Total organic nitrogen as N  
 D (NH3 + - Ammonia and dissolved organic nitrogen as N  
 T ORG N) - Ammonia and total organic nitrogen as N  
 DIS  
 A.H.PO4 - Dissolved acid hydrolyzable phosphate as P  
 D O-PO4 - Dissolved orthophosphate as P  
 T O-PO4 - Total orthophosphate as P  
 D TOT P - Dissolved total phosphorus as P  
 T TOT P - Total Phosphorus as P



TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. O15CM	TEMP DEPTH	F-PH LAB EC	F-EC F-CO2	FIELD			NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER			D TOT P			
						TURB CAC03 P	F NO2 F NO3	T NO2 T NO3	D ORG N D ORG N	D (NH3) D (NH3)	D (NH3) D (NH3)				
AD 2112.00 SACRAMENTO RIVER AT ELKHORN FERRY															
10/16/74	5000		61 F	7.3	95	8A			--	--	--	--	--	0.02	--
0745	5000	17700			99				--	0.05	--	0.1	--	--	0.05
11/20/74	5000		53 F	7.3	102	9A			--	--	--	--	--	0.01	--
0930	5000	21100			105				--	0.01	--	0.2	--	--	0.07
12/18/74	5000		49 F	7.3	107	5A			--	--	--	--	--	0.02	--
0910	5000	19800			120				--	0.09	--	0.1	--	--	0.06
01/15/75	5000		46 F	7.3	112	11A			--	--	--	--	--	0.01	--
0915	5000	16800			130				--	0.16	--	0.2	--	--	0.04
02/19/75	5000		47 F	7.2	134	30A			--	--	--	--	--	0.04	--
0915	5000	53100			149				--	0.22	--	0.5	--	--	0.18
03/19/75	5000		50 F	7.4	131	30A			--	--	--	--	--	0.02	--
0730	5000	41700			152				--	0.15	--	0.3	--	--	0.10
04/16/75	5000		54 F	7.4	116	14A			--	--	--	--	--	0.01	--
0830	5000	24600			132				--	0.09	--	0.2	--	--	0.06
05/21/75	5000		60 F	7.4	118	11A			--	--	--	--	--	0.02	--
0730	5000	30400			132				--	0.03	--	0.2	--	--	0.08
06/18/75	5000		66 F	7.4	106	7A			--	--	--	--	--	0.02	--
0745	5000	20000			111				--	0.05	--	0.2	--	--	0.13
07/16/75	5000		68 F	7.5	106	7A			--	--	--	--	--	0.02	--
0800	5000	14200			115				--	0.30	--	0.2	--	--	0.10
08/20/75	5000		68 F	7.4	134	8A			--	--	--	--	--	0.01	--
0745	5000	17800			141				--	0.04	--	0.2	--	--	0.04
09/17/75	5000		67 F	7.5	129	7A			--	--	--	--	--	0.02	--
0800	5000	19100			141				--	0.04	--	0.2	--	--	0.06
AD 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END															
10/16/74	5000		18.66	61 F	7.4	117	15A			--	--	--	--	0.03	--
1000	5000				128				--	0.19	--	0.2	--	--	0.05
11/20/74	5000		20.41	53.5F	7.4	123	8A			--	--	--	--	0.03	--
1115	5000				139				--	0.08	--	0.1	--	--	0.05
12/18/74	5000		20.10	50 F	7.4	146	8A			--	--	--	--	0.03	--
1115	5000				162				--	0.18	--	0.2	--	--	0.06
01/15/75	5000		18.46	47 F	7.4	168	12A			--	--	--	--	0.03	--
1145	5000				189				--	0.30	--	0.2	--	--	0.08
02/19/75	5000		47 F	7.3	142	25A			--	--	--	--	--	0.03	--
1100	5000				156				--	0.22	--	0.3	--	--	0.19
03/19/75	5000		29.89	49 F	7.4	150	29A			--	--	--	--	0.03	--
0930	5000				170				--	0.18	--	0.2	--	--	0.11
04/16/75	5000		23.15	55 F	7.4	140	19A			--	--	--	--	0.02	--
1000	5000				158				--	0.17	--	0.2	--	--	0.08
05/21/75	5000		25.76	60 F	7.4	135	24A			--	--	--	--	0.01	--
0930	5000				151				--	0.05	--	0.2	--	--	0.10
06/18/75	5000		19.67	60 F	7.4	135	25A			--	--	--	--	0.03	--
1015	5000				152				--	0.09	--	0.3	--	--	0.18
07/16/75	5000		17.9	69 F	7.5	177	12A			--	--	--	--	0.03	--
1045	5000				193				--	0.10	--	0.2	--	--	0.07
08/20/75	5000		19.11	66 F	7.6	180	22A			--	--	--	--	0.01	--
0930	5000				223				--	0.10	--	0.2	--	--	0.04
09/17/75	5000		19.43	71 F	7.4	218	24A			--	--	--	--	0.04	--
1130	5000				240				--	0.11	--	0.3	--	--	0.08
AD 2230.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN															
10/23/74	5000		21.30	13.0C	7.4	112	20AF			--	--	--	--	0.04	--
1230	5000								--	0.11	--	0.1	--	--	0.13
11/19/74	5000		22.51	12.0C	7.7	125	8AF			--	--	--	--	0.03	--
1350	5000								--	0.13	--	0.1	--	--	0.04
12/18/74	5000		22.63	10.0C	7.6	142	9AF			--	--	--	--	0.03	--
1300	5000								--	0.20	--	0.1	--	--	0.04
01/22/75	5000		20.14	9.0C	7.5	145	8AF			--	--	--	--	0.03	--
1320	5000								--	0.22	--	0.1	--	--	0.07
02/26/75	5000		29.06	9.5C	7.4	153	29AF			--	--	--	--	0.02	--
1140	5000								--	0.19	--	0.2	--	--	0.37
03/26/75	5000		37.25	10.5C	7.9	134	60AF			--	--	--	--	0.02	--
1410	5000								--	0.12	--	0.2	--	--	0.12
04/23/75	5000		22.51	15.0C	8.0	146	14A			--	--	--	--	0.02	--
1315	5000								--	0.14	--	0.2	--	--	0.09
05/22/75	5000		26.61	16.0C	7.6	131	22AF			--	--	--	--	0.02	--
1210	5000								--	0.10	--	0.2	--	--	0.10
06/24/75	5000		20.00	19.0C	8.0	132	14AF			--	--	--	--	0.02	--
1310	5000								--	0.07	--	0.2	--	--	0.14
07/29/75	5000		19.84	21.5C	7.4	139	10AF			--	--	--	--	0.02	--
1250	5000								--	0.11	--	0.1	--	--	0.09
08/26/75	5000		21.24	20.0C	7.4	162	13AF			--	--	--	--	0.01	--
1200	5000								--	0.07	--	0.2	--	--	0.09
09/24/75	5000		20.29	20.0C	7.6	140	10AF			--	--	--	--	0.01	--
1345	5000								--	0.07	--	0.1	--	--	0.04

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH	TEMP DEPTH	F-PH	F-EC LAB EC	FIELD				NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER				PER TOT P	TOT P	
						TURB	CACOD3	P	T	O NO2	N O3	D NO2	O DRG N			T DRG N
AN 2785.00 SACRAMENTO RIVER AT BEND BRIDGE																
05/21/75	5050	22.21	12.0C	7.4		3A				--	--	--	--	0.01	--	
1320	5050					114				--	0.09	0.0	--	--	0.05	
AO 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER																
10/23/74	5050		17.5C	7.6		245	204F			--	0.07	--	0.3	--	0.06	--
1200	5050									--	--	--	--	--	--	0.11
01/22/75	5050		8.5C	7.6		318	424F			--	0.12	--	0.4	--	0.06	--
1245	5050									--	--	--	--	--	--	0.17
04/23/75	5050		16.0C	7.6		365	454F			--	--	--	--	--	0.07	--
1230	5050									--	0.09	--	0.4	--	--	0.42
06/24/75	5050		21.0C	7.6		427	374F			--	--	--	--	--	0.06	--
1225	5050									--	0.20	--	0.6	--	--	0.18
07/29/75	5050		25.5C	7.6		486	254F			--	--	--	--	--	0.10	--
1220	5050									--	0.10	--	0.5	--	--	0.19
09/26/75	5050		24.0C	7.4		475	224F			--	--	--	--	--	0.04	--
1125	5050									--	0.08	--	0.4	--	--	0.14
09/24/75	5050		24.0C	7.6		495	214F			--	--	--	--	--	0.07	--
1310	5050									--	0.14	--	0.3	--	--	0.07
AO 2926.00 R=0 1500 DRAINAGE TO SACRAMENTO SLOUGH																
11/19/74	5050		13.0C	7.7		482	154F			--	--	--	--	0.09	--	
1320	5050									--	0.03	--	0.4	--	--	0.15
12/18/74	5050		12.0C	8.1		732	194F			--	--	--	--	0.13	--	
1230	5050									--	0.27	--	0.6	--	--	0.19
AO 2933.00 R=0 108 DRAINAGE TO SACRAMENTO RIVER																
10/23/74	5050		17.0C	8.2		349	224F			--	--	--	--	0.13	--	
1320	5050									--	0.04	--	0.5	--	--	0.16
11/19/74	5050					8.4	968	244F			--	--	--	--	0.31	--
1505	5050									--	0.04	--	0.5	--	--	0.38
12/18/74	5050		9.5C	8.1		869	234F			--	--	--	--	0.27	--	
1410	5050									--	0.19	--	0.3	--	--	0.31
01/22/75	5050		9.0C	8.0		913	204F			--	--	--	--	0.26	--	
1425	5050									--	0.12	--	0.3	--	--	0.28
02/26/75	5050		14.5C	7.8		934	164F			--	--	--	--	0.26	--	
1235	5050									--	0.07	--	0.4	--	--	0.30
03/26/75	5050		11.0C	8.2		969	424F			--	--	--	--	0.23	--	
1525	5050									--	0.61	--	0.5	--	--	0.24
04/23/75	5050		16.0C	8.4			21A			--	--	--	--	0.28	--	
1200	5050					806				--	0.27	--	2.1	--	--	0.52
05/22/75	5050		21.0C	8.1		493	844F			--	--	--	--	0.14	--	
1320	5050									--	0.17	--	1.0	--	--	0.43
06/24/75	5050		21.0C	7.4		563	414F			--	--	--	--	0.10	--	
1415	5050									--	0.10	--	0.6	--	--	0.33
07/29/75	5050		25.0C	7.3		533	234F			--	--	--	--	0.11	--	
1410	5050									--	0.11	--	0.6	--	--	0.17
08/26/75	5050		23.0C	7.3		571	264F			--	--	--	--	0.10	--	
1350	5050									--	0.06	--	0.6	--	--	0.10
09/24/75	5050		23.0C	7.7		883	264F			--	--	--	--	0.13	--	
1455	5050									--	0.06	--	0.6	--	--	0.15
AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																
10/23/74	5050		23.45	16.0C	8.0	659	384F			--	--	--	--	0.13	--	
1300	5050									--	0.36	--	0.6	--	--	0.18
11/19/74	5050		23.46	12.5C	8.3	823	294F			--	--	--	--	0.12	--	
1430	5050									--	0.19	--	0.7	--	--	0.21
12/18/74	5050		23.52	10.0C	8.2	990	404F			--	--	--	--	0.14	--	
1335	5050									--	0.33	--	0.7	--	--	0.21
01/22/75	5050		21.54	9.0C	8.0	892	474F			--	--	--	--	0.08	--	
1355	5050									--	0.07	--	0.8	--	--	0.14
02/26/75	5050		12.0C	8.0		1189	324F			--	--	--	--	0.14	--	
1200	5050									--	0.43	--	0.8	--	--	0.23
03/26/75	5050		11.0C	8.1		707	1644F			--	--	--	--	0.10	--	
1555	5050									--	0.21	--	0.8	--	--	0.34
04/23/75	5050		23.88	16.0C	8.2		100A			--	--	--	--	0.13	--	
1045	5050					826				--	0.29	--	0.8	--	--	0.33
05/22/75	5050		27.35	19.5C	8.0	568	554F			--	--	--	--	0.08	--	
1250	5050									--	0.12	--	1.1	--	--	0.23
06/24/75	5050		24.43	23.0C	8.0	754	494F			--	--	--	--	0.06	--	
1350	5050									--	0.15	--	0.8	--	--	0.19
07/29/75	5050		24.52	27.0C	7.9	655	444F			--	--	--	--	0.05	--	
1320	5050									--	0.28	--	0.7	--	--	0.21
08/26/75	5050		24.53	24.0C	7.6	620	604F			--	--	--	--	0.03	--	
1325	5050									--	0.11	--	0.7	--	--	0.06
09/24/75	5050		23.67	24.0C	7.8	648	614F			--	--	--	--	0.04	--	
1425	5050									--	0.24	--	0.6	--	--	0.21

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.W. OISC#	TEMP DEPTH	F-PH F-EC	F-EC F-CO2	FIELD TURB CAC03 P CAC03 T	D 402 Y NM3	N03 D N03	NUTRIENT D ORG N D ORG N	CONSTITUENTS D ORG N D ORG N	IN MILLIGRAMS A.M.P.O4	PER LITER D ORG N D ORG N	D TOT P T TOT P
R-D 787 DRAINAGE TO COLUSA BASIN DRAIN													
10/23/74 1245	5050 5050	19.3	16.0C	7.9	760	26AF	--	0.02	--	1.3	--	0.11	--
11/19/74 1415	5050 5050	13.0C	7.5	770	27AF	--	0.12	--	1.8	--	0.08	--	0.20
01/22/75 1345	5050 5050	8.0C	8.2	665	40AF	--	0.01	--	1.0	--	0.04	--	0.19
02/26/75 1200	5050 5050	11.5C	7.3	429	31AF	--	0.51	--	0.3	--	0.05	--	0.11
03/26/75 1440	5050 5050	19.20	11.0C	8.2	635	98AF	--	0.56	--	0.9	--	0.08	--
04/23/75 1025	5050 5050	16.0C	8.3	758	18A	--	0.04	--	0.8	--	0.06	--	0.26
05/22/75 1230	5050 5050	21.0C	8.4	563	10AF	--	0.13	--	1.1	--	0.06	--	0.17
08/24/75 1325	5050 5050	22.0C	7.9	475	12AF	--	0.00	--	0.9	--	0.05	--	0.20
07/29/75 1315	5050 5050	24.4C	7.4	556	14AF	--	0.00	--	0.4	--	0.09	--	0.22
08/26/75 1225	5050 5050	22.0C	7.3	570	16AF	--	0.01	--	0.5	--	0.06	--	0.15
09/24/75 1410	5050 5050	23.0C	7.6	653	28AF	--	0.01	--	0.9	--	0.05	--	0.17
R-D 787 DRAINAGE TO SACRAMENTO RIVER													
10/23/74 1340	5050 5050	19.0	16.0C	7.8	618	47AF	--	0.04	--	0.8	--	0.10	--
11/19/74 1530	5050 5050	19.30	12.0C	8.1	428	--	0.09	--	0.3	--	0.13	--	0.16
12/18/74 1435	5050 5050	19.30	10.0C	7.8	361	19AF	--	0.08	--	0.3	--	0.11	--
01/22/75 1445	5050 5050	19.2	9.5C	7.9	579	25AF	--	0.05	--	0.3	--	0.13	--
02/26/75 1255	5050 5050	13.0C	7.6	724	25AF	--	0.48	--	0.4	--	0.14	--	0.21
03/26/75 1545	5050 5050	18.70	13.5C	8.1	680	36AF	--	1.2	--	0.5	--	0.15	--
04/23/75 1230	5050 5050	16.0C	8.0	670	23A	--	0.19	--	0.8	--	0.16	--	0.33
05/22/75 1345	5050 5050	21.0C	7.4	497	53AF	--	0.10	--	0.8	--	0.18	--	0.32
06/24/75 1445	5050 5050	21.0C	7.2	389	32AF	--	0.05	--	0.5	--	0.08	--	0.20
07/29/75 1430	5050 5050	25.0C	7.2	451	31AF	--	0.08	--	0.5	--	0.09	--	0.21
08/26/75 1425	5050 5050	23.5C	7.2	458	27AF	--	0.02	--	0.4	--	0.09	--	0.09
09/24/75 1525	5050 5050	24.0C	7.8	696	45AF	--	0.09	--	0.8	--	0.10	--	0.14
R-D 70 DRAINAGE TO SACRAMENTO RIVER													
10/23/74 1110	5050 5050	34.0	14.0C	8.2	980	15AF	--	0.63	--	0.8	--	0.31	--
11/19/74 1225	5050 5050	33.70	13.0C	8.1	552	15AF	--	0.64	--	0.4	--	0.10	--
12/18/74 1105	5050 5050	33.93	10.0C	8.0	678	16AF	--	0.12	--	0.4	--	0.10	--
01/22/75 1145	5050 5050	33.9	9.0C	8.1	844	24AF	--	0.05	--	0.6	--	0.09	--
02/26/75 1025	5050 5050	12.5C	7.6	1090	26AF	--	1.2	--	0.6	--	0.15	--	0.25
03/26/75 1300	5050 5050	33.55	10.0C	7.5	953	28AF	--	1.1	--	0.6	--	0.14	--
04/23/75 1130	5050 5050	15.0C	8.0	540	344	--	0.16	--	0.6	--	0.08	--	0.24
05/22/75 1115	5050 5050	19.0C	7.7	575	32AF	--	0.30	--	0.8	--	0.12	--	0.22
06/24/75 1140	5050 5050	21.0C	7.5	558	27AF	--	0.27	--	0.6	--	0.07	--	0.21
07/29/75 1115	5050 5050	25.0C	7.3	470	25AF	--	0.20	--	0.5	--	0.11	--	0.28
08/26/75 1040	5050 5050	23.0C	7.4	545	18AF	--	0.11	--	0.4	--	0.06	--	0.09
09/24/75 1100	5050 5050	24.0C	8.0	726	28AF	--	0.01	--	0.7	--	0.10	--	0.19



TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH	F-EC	FIELD				NUTRIENT CONSTITUENTS IN MILLIGRAMS				PER LITER			
						TURB	CACO3	P	T	0 NO2 + NO3	0 NO2	0 NO3	0 ORG N	0 NH3 +	0 NH4	0 PO4	0 TOT P
					LAB EC	F-CO2	CACO3			T NH3	D NO2	D NO3	T ORG N	T ORG N	A.M.P04	T n=PO4	T TOT P
AC 5920.00 SUTTER BP STATE PP NO 2 NR TISDALE																	
02/27/75	5050		15.0C	7.8	584		21A			--	--	--	--	--	--	0.07	--
1110	5050									--	0.42	--	0.4	--	--	--	0.20
06/25/75	5050		20.0C	7.4	345		12AF			--	--	--	--	--	--	0.06	--
1030	5050									--	0.21	--	0.4	--	--	--	0.15
07/30/75	5050		22.0C	7.3	389		6AF			--	--	--	--	--	--	0.05	--
1010	5050									--	0.13	--	0.4	--	--	--	0.12
08/27/75	5050		19.0C	7.2	397		9A			--	--	--	--	--	--	0.05	--
1040	5050									--	0.14	--	0.3	--	--	--	0.14
09/24/75	5050		22.0C	7.8	499		11A			--	--	--	--	--	--	0.06	--
1145	5050									--	0.21	--	0.3	--	--	--	0.19
AO 5925.00 SUTTER BP STATE PP NO 3 NR TUBA CITY																	
02/27/75	5050		17.0C	7.6	707		10A			--	--	--	--	--	--	0.08	--
1245	5050									--	0.25	--	0.4	--	--	--	0.21
06/25/75	5050		22.5C	7.4	548		20AF			--	--	--	--	--	--	0.04	--
1120	5050									--	0.08	--	0.8	--	--	--	0.17
07/30/75	5050		24.0C	7.5	481		8AF			--	--	--	--	--	--	0.03	--
1110	5050									--	0.06	--	0.5	--	--	--	0.16
08/27/75	5050		21.0C	7.6	742		10A			--	--	--	--	--	--	0.03	--
1110	5050									--	0.08	--	0.6	--	--	--	0.10
09/24/75	5050		22.0C	7.6	800		13A			--	--	--	--	--	--	0.04	--
1020	5050									--	0.07	--	0.5	--	--	--	0.14
AO 5927.00 WASHWORTH CANAL NR SUTTER																	
09/24/75	5050	38.09	21.0C	7.4						--	--	--	--	--	--	0.07	--
0955	5050									--	0.14	--	0.3	--	--	--	0.15
AO 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT																	
02/04/75	2103		48 F	7.0	57		14A			0.12	0.01	--	--	--	--	0.12	--
1020	5050	1836			61					0.20	0.11	0.2	0.4	--	--	--	0.13
02/18/75	2103		47 F	7.1	51		3A			0.05	0.01	--	--	--	--	0.01	--
1030	5050				53					0.02	0.04	0.08	0.1	--	--	--	0.03
03/04/75	2103		49 F	7.1	60		5A			0.07	0.00	--	--	--	--	0.03	--
0900	5050	4306			61					0.07	0.07	0.13	0.2	--	--	--	0.05
03/18/75	5050		49 F	7.1	62		4A			0.06	0.00	--	--	--	--	0.03	--
0830	5050	6028			66					0.05	0.06	0.15	0.2	--	--	--	0.05
04/08/75	2103		48.5F	7.2	62		8A			0.15	0.00	--	--	--	--	0.02	--
0845	5050	8403			66					0.01	0.15	0.19	0.2	--	--	--	0.05
04/22/75	2103		51.5F	7.1	66		4A			0.09	0.01	--	--	--	--	0.04	--
0815	5050	4594			68					0.04	0.08	0.06	0.1	--	--	--	0.04
05/06/75	2103		54.0F	7.2	69		3A			0.02	0.00	--	--	--	--	0.02	--
0910	5050	4710			68					0.00	0.02	0.1	0.1	--	--	--	0.02
05/20/75	2103		54.0F	7.2	59		3A			0.03	0.00	--	--	--	--	0.02	--
0850	5050	4590			62					0.03	0.03	0.17	0.2	--	--	--	0.03
06/18/75	2103		51.49	7.1	52		2A			0.04	0.00	--	--	--	--	0.02	--
0915	5050	4619			50					0.05	0.04	0.15	0.2	--	--	--	0.04
06/24/75	2103		58 F	7.1	48		1A			0.06	0.00	--	--	--	--	0.04	--
0900	5050	2892			49					0.03	0.06	0.17	0.2	--	--	--	0.05
07/09/75	2103		61.0F	7.0	48		1A			0.1	0.00	--	--	--	--	0.06	--
0845	5050	2892			48					0.05	0.10	0.25	0.3	--	--	--	0.07
07/22/75	2103		63.0F	7.0	48		1A			0.06	0.00	--	--	--	--	0.05	--
0930	5050	2892			48					0.00	0.06	0.1	0.1	--	--	--	0.05
08/05/75	2103		62.0F	7.0	45		1A			0.02	0.00	--	--	--	--	0.07	--
0900	5050	2412			47					0.05	0.02	0.15	0.2	--	--	--	0.08
06/19/75	2103		63 F	7.0	45		2A			0.04	0.00	--	--	--	--	0.06	--
0915	5050	1998			50					0.09	0.04	0.21	0.3	--	--	--	0.10
09/02/75	2103		65 F	7.0	48		2A			0.03	0.00	--	--	--	--	0.12	--
0845	5050	1865			48					0.14	0.03	0.26	0.4	--	--	--	0.12
09/16/75	2103		63 F	7.0	45		1A			0.03	0.00	--	--	--	--	0.08	--
0900	5050	1908			47					0.13	0.03	0.17	0.3	--	--	--	0.10
AO 7180.00 AMERICAN RIVER BELOW NIMBUS DAM																	
02/04/75	2103		48 F	7.0	65		7A			0.09	0.00	--	--	--	--	0.06	--
0930	5050	2010.M			69					0.12	0.09	0.2	0.4	--	--	--	0.12
02/18/75	5050		47.5F	7.1	50		3A			0.04	0.01	--	--	--	--	0.00	--
0930	5050	7510.M			54					0.00	0.03	0.1	0.1	--	--	--	0.01
03/04/75	2103		7.94	7.2	57		4A			0.04	0.00	--	--	--	--	0.00	--
0830	5050	4030			59					0.00	0.04	0.2	0.2	--	--	--	0.01
03/18/75	2103		48.5F	7.2	60		3A			0.05	0.00	--	--	--	--	0.00	--
0730	5050	5110			62					0.00	0.05	0.1	0.1	--	--	--	0.04
04/08/75	2103		48 F	7.2	62		8A			0.1	0.00	--	--	--	--	0.00	--
0800	5050	7480			66					0.00	0.10	0.2	0.2	--	--	--	0.01
04/22/75	2103		51.5F	7.2	64		3A			0.06	0.01	--	--	--	--	0.02	--
0945	5050	5090			66					0.01	0.05	0.09	0.1	--	--	--	0.02

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	S.N. DISCH	TEMP DEPTH	F-PH	F-EC LAB EC	FIELD			NUTRIENT			CONSTITUENTS IN MILLIGRAMS				PER LITER		
						TURB	CaCO3	P	O	NO2	NO3	O	ORP	N	O	INM3	A.M.P.OA	T
*****																		
40 7160.00 AMERICAN RIVER BELOW NIMBUS DAM															CONTINUED			
05/06/75	2103	8.55	53.0 F	7.2	62	3A			0.01	0.00	--	--	--	--	--	--	0.00	--
0920	5050	5330			66				0.00	0.01	0.2	0.2	--	--	--	--	--	0.01
05/20/75	2103	8.48	54.0 F	7.2	57	2A			0.01	0.00	--	--	--	--	--	--	0.00	--
0800	5050	5160			60				0.03	0.01	0.07	0.1	--	--	--	--	--	0.01
06/10/75	2103	8.50	56.0 F	7.1	48	1A			0.01	0.00	--	--	--	--	--	--	0.00	--
0815	5050	5200			48				0.01	0.01	0.09	0.1	--	--	--	--	--	0.01
06/24/75	2103	7.67	57 F	7.1	44	1A			0.02	0.00	--	--	--	--	--	--	0.00	--
0800	5050	3520			45				0.00	0.02	0.1	0.1	--	--	--	--	--	0.00
07/08/75	2103	7.67	59.0 F	7.2	44	1A			0.01	0.00	--	--	--	--	--	--	0.00	--
0800	5050	3520			44				0.00	0.01	0.1	0.1	--	--	--	--	--	0.01
07/22/75	2103	7.66	61.0 F	7.0	43	0A			0.00	0.00	--	--	--	--	--	--	0.00	--
0800	5050	3500			45				0.00	0.00	0.1	0.1	--	--	--	--	--	0.00
08/05/75	2103	7.37	61.0 F	7.0	44	0A			0.00	0.00	0.09	0.1	--	--	--	--	0.00	--
0745	5050	3010			44				0.01	0.00	--	--	--	--	--	--	--	0.01
08/19/75	2103	6.99	62 F	6.8	40	1A			0.00	0.00	--	--	--	--	--	--	0.00	--
0815	5050	2450			43				0.00	0.00	0.1	0.1	--	--	--	--	--	0.01
09/02/75	2103	6.92	63 F	7.0	42	1A			0.02	0.00	--	--	--	--	--	--	0.00	--
0800	5050	2350			42				0.01	0.02	0.09	0.1	--	--	--	--	--	0.00
09/16/75	2103	6.95	62 F	6.9	40	1A			0.01	0.00	--	--	--	--	--	--	0.00	--
0745	5050	2390			41				0.00	0.01	0.1	0.1	--	--	--	--	--	0.01
41 1020.00 PIT RIVER NEAR MONTGOMERY CREEK																		
03/19/75	5050		7.5C	7.3	105	17AF			--	--	--	--	--	--	--	--	0.03	--
1000	5050								--	0.07	--	0.2	--	--	--	--	--	0.00
41 1690.00 PIT RIVER NEAR CANBY																		
03/19/75	5050	3.52	7.0C	7.7	182	40AF			--	--	--	--	--	--	--	--	0.06	--
1320	5050								--	0.13	--	0.7	--	--	--	--	--	0.14
05/06/75	5050	4.31	9.0C	7.6	145	20A			--	--	--	--	--	--	--	--	0.06	--
1400	5050								--	0.13	--	0.4	--	--	--	--	--	0.10
42 1010.00 SACRAMENTO RIVER AT KESWICK																		
10/11/74	5050		11.0C	7.3	96	6AF			--	--	--	--	--	--	--	--	0.02	--
1010	5050	8000							--	0.07	--	0.1	--	--	--	--	--	0.03
11/14/74	5050		12.0C	7.0	115	4AF			--	--	--	--	--	--	--	--	0.02	--
1450	5050	10000							--	0.08	--	0.2	--	--	--	--	--	0.03
12/05/74	5050		11.0C	7.0	120	6AF			--	--	--	--	--	--	--	--	0.01	--
0920	5050	10000							--	0.09	--	0.0	--	--	--	--	--	0.03
01/15/75	5050		9.0C	7.2	124	5AF			--	--	--	--	--	--	--	--	0.02	--
1330	5050	6000							--	0.09	--	0.1	--	--	--	--	--	0.02
02/06/75	5050		8.0C	7.2	114	3AF			--	--	--	--	--	--	--	--	0.02	--
1145	5050	6000							--	0.08	--	0.1	--	--	--	--	--	0.03
03/05/75	5050		8.5C	7.2	113	4AF			--	--	--	--	--	--	--	--	0.01	--
1130	5050	8000							--	0.07	--	0.0	--	--	--	--	--	0.03
04/21/75	5050		10.5C	7.1		4A			--	--	--	--	--	--	--	--	0.01	--
1100	5050	10000							--	0.06	--	0.2	--	--	--	--	--	0.03
05/16/75	5050		11.0C	7.4	108	5AF			--	--	--	--	--	--	--	--	0.03	--
1200	5050	15000							--	0.13	--	0.1	--	--	--	--	--	0.03
06/17/75	5050		11.0C	7.4	102	3AF			--	--	--	--	--	--	--	--	0.01	--
0925	5050	14000							--	0.06	--	0.0	--	--	--	--	--	0.02
07/22/75	5050		12.0C	7.2	108	3AF			--	--	--	--	--	--	--	--	0.01	--
1045	5050	17000							--	0.09	--	0.1	--	--	--	--	--	0.03
08/20/75	5050		12.0C	7.1	102	3AF			--	--	--	--	--	--	--	--	0.00	--
1045	5050	12000							--	0.05	--	0.1	--	--	--	--	--	0.02
09/11/75	5050		13.5C	7.1	96	1A			--	--	--	--	--	--	--	--	0.01	--
1125	5050	8000							--	0.04	--	0.1	--	--	--	--	--	0.02
43 1110.00 STONY CREEK BELOW BLACK BUTTE DAM																		
01/16/75	5050	2.42	9.0C	8.4	347	18A			--	--	--	--	--	--	--	--	0.00	--
1355	5050								--	0.21	--	--	--	--	--	--	--	--
05/20/75	5050	4.94	16.0C	8.0	250	8A			--	--	--	--	--	--	--	--	0.00	--
1120	5050								--	0.02	--	0.1	--	--	--	--	--	0.04
43 1250.00 STONY CREEK NEAR FRUTO																		
11/15/74	5050		14.0C	8.1	662	4A			--	--	--	--	--	--	--	--	0.00	--
1110	5050								--	0.07	--	--	--	--	--	--	--	--
12/10/74	5050		7.0C	8.0	679	1AF			--	--	--	--	--	--	--	--	0.00	--
1125	5050								--	0.35	--	--	--	--	--	--	--	--
04/22/75	5050		15.0C	8.3		5A			--	--	--	--	--	--	--	--	0.02	--
1100	5050				238				--	0.00	--	0.2	--	--	--	--	--	0.04
43 1302.00 GRINDSTONE CREEK NEAR ELK CREEK																		
03/06/75	5050		8.0C	7.8	156	85AF			--	--	--	--	--	--	--	--	0.02	--
1000	5050								--	0.13	--	--	--	--	--	--	--	--
05/20/75	5050		11.0C	7.6	131	10A			--	--	--	--	--	--	--	--	0.00	--
1025	5050	300 E			131				--	0.02	--	--	--	--	--	--	--	--

NUTRIENT ANALYSIS OF SURFACE WATER

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TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD				NUTRIENT				CONSTITUENTS IN MILLIGRAMS				PER LITER D-PO4 T-NO3 T-TOT P
						TURB F-CO2	CAC03 T	D NO2 + NO3 T	D NO3 T	D ORB N T	D NH3 + T	D ORB N T	D NH3 + T	A.M.P.O4				
80 7020.00 SAN JOAQUIN RIVER NEAR VERNALIS CONTINUED																		
12/17/74	5001	14.62	12 C	7.6	375	9AF	--	--	0.23	0.3	--	--	0.07	--	--	--	--	
1300	5001	4510					0.07	0.47	0.31	0.38	--	--	--	--	--	--	0.11	
12/19/74	5050	12.67	10.0C	7.2	350		--	--	--	--	--	--	--	--	--	--	--	
0900	5050						--	0.37	--	--	--	--	--	--	--	--	--	
01/21/75	5001	12.58	10 C	7.5	645	0AF	--	--	0.38	0.5	--	--	0.09	--	--	--	--	
1600	5001	2750					0.12	0.95	0.50	0.62	--	--	--	--	--	--	0.17	
02/03/75	5001	13.27	11 C		633	16AF	--	--	0.66	0.8	--	--	0.08	--	--	--	--	
1450	5001	3325					0.14	0.79	0.90	1.04	--	--	--	--	--	--	0.19	
03/10/75	5001	16.38	13 C	7.6	408	22AF	64	0.72	0.01	0.4	--	--	0.09	--	--	--	--	
1115	5050	0450						0.05	0.71	0.5	0.55	--	--	--	--	--	0.13	
04/01/75	5001	16.40	13 C	7.6	398	25AF	62	0.71	0.01	0.5	0.83	--	0.05	--	--	--	--	
1240	5050	4440						0.03	0.70	0.6		--	--	--	--	--	0.14	
04/10/75	5001	13.22	15 C	7.4	633	26AF	90	1.0	0.02	0.3	0.72	--	0.10	--	--	--	--	
1410	5050	3360						0.02	0.98	0.7		--	--	--	--	--	0.18	
05/01/75	5001	12.14	19 C	7.0	702	32AF		1.02	0.02	0.7	--	--	0.13	--	--	--	--	
1335	5050	2910						0.10	1.0	0.9	1.0	--	--	--	--	--	0.22	
08/15/75	5001	13.79	18 C	7.0	405	19AF		0.47	0.02	0.4	--	--	0.00	--	--	--	--	
1210	5050	3070						0.00	0.45	0.5	0.5	--	--	--	--	--	0.15	
09/03/75	5001	16.61	19 C	7.3	198	10AF		0.94	0.00	0.4	--	--	0.06	--	--	--	--	
1700	5050	6670						0.00	0.94	0.5	0.5	--	--	--	--	--	0.15	
06/17/75	5001	17.69	19 C	7.6	140	17AF		0.32	0.00	0.3	--	--	0.05	--	--	--	--	
1815	5050	7930						0.00	0.32	0.3	0.3	--	--	--	--	--	0.10	
06/25/75	5050		19 C	7.0	531	38AF		--	--	0.37	--	--	0.08	--	--	--	--	
1010	5001	2930						0.03	0.78	0.83	0.86	--	--	--	--	--	0.26	
07/01/75	5001		21 C	8.2	736	32AF		1.22	0.02	0.5	--	--	0.09	--	--	--	--	
1935	5050							0.00	1.2	1.0	1.0	--	--	--	--	--	0.27	
07/15/75	5001	10.93	22 C	6.2	778	90AF		1.11	0.01	0.2	--	--	0.09	--	--	--	--	
1510	5050							0.00	1.1	1.2	1.2	--	--	--	--	--	0.29	
07/23/75	5001		25 C	7.4	865	54AF		--	--	0.84	--	--	0.11	--	--	--	--	
1035	5050							0.06	1.30	1.46	1.52	--	--	--	--	--	0.32	
08/13/75	5001		26.0C	7.2	733	48AF		1.33	0.03	0.8	--	--	0.12	--	--	--	--	
1615	5050							0.03	1.3	1.0	1.03	--	--	--	--	--	0.12	
08/26/75	5001	11.14	25 C	7.7	685	31AF		1.22	0.02	0.8	--	--	0.07	--	--	--	--	
1200	5050	1790						0.01	1.2	1.0	1.01	--	--	--	--	--	0.24	
09/11/75	5001	12.10	22 C	7.8	471	19AF		0.92	0.01	0.4	--	--	0.06	--	--	--	--	
1410	5050	2930						0.00	0.91	0.7	0.7	--	--	--	--	--	0.13	
09/25/75	5001	12.61	23 C	7.8	379	19AF		0.7	0.01	0.4	--	--	0.06	--	--	--	--	
1330	5050	3050						0.00	0.69	0.4	0.4	--	--	--	--	--	0.26	
82 0180.01 JACKSON CREEK AT JAPUR ROAD BRIDGE																		
05/08/75	2103		64 F	0.8	233		--	--	--	--	--	--	0.13	--	--	--	--	
1340	5050				231		0.02	0.20	--	--	--	--	--	--	--	--	0.20	
82 0185.01 JACKSON CREEK BELOW CITY OF JACKSON STP																		
05/08/75	2103		59 F	7.9	225		--	--	--	--	--	--	0.16	--	--	--	--	
0945	5050				232		0.09	0.46	--	--	--	--	--	--	--	--	0.21	
82 0190.20 JACKSON CREEK ABOVE CITY OF JACKSON STP																		
05/08/75	2103		58 F	8.0	210		--	--	--	--	--	--	0.00	--	--	--	--	
0915	5050				257		0.03	0.10	--	--	--	--	--	--	--	--	0.01	
82 0190.55 JACKSON CREEK, NORTH FORK, IN JACKSON																		
05/08/75	2103		63 F	8.0	325		--	--	--	--	--	--	0.01	--	--	--	--	
1250	5050				333		0.00	0.14	--	--	--	--	--	--	--	--	0.03	
82 0190.70 JACKSON CREEK, SOUTH FORK, IN JACKSON																		
05/08/75	2103		64 F	7.8	171		--	--	--	--	--	--	0.00	--	--	--	--	
1040	5050				172		0.00	0.22	--	--	--	--	--	--	--	--	0.01	
82 0191.01 JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK																		
05/08/75	2103		62 F	7.6	172		--	--	--	--	--	--	0.00	--	--	--	--	
1100	5050				182		0.33	0.03	--	--	--	--	--	--	--	--	0.05	
82 0193.01 JACKSON CREEK BELOW NEW YORK BULCH																		
05/08/75	2103		65 F	7.6	151		--	--	--	--	--	--	0.00	--	--	--	--	
1220	5050				160		0.02	0.00	--	--	--	--	--	--	--	--	0.02	
89 0 745.3 118.3 SAN JOAQUIN RIVER ABOVE PARADISE CUT																		
06/25/75	5050		20 C	7.9	540	31AF	93	--	--	0.10	--	--	0.06	--	--	--	--	
1125	5001							0.02	0.72	0.66	0.68	--	--	--	--	--	0.24	
07/23/75	5050		25 C	8.2	918	36AF	106	--	--	.56	--	--	0.08	--	--	--	--	
1125	5001							.04	1.30	1.62	1.66	--	--	--	--	--	.27	
89 0 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE																		
10/02/74	5001		19 C	7.4	365	12AF		--	--	0.45	0.5	--	0.06	--	--	--	--	
0950	5001							0.05	0.70	0.85	0.90	--	--	--	--	--	0.16	
10/16/74	5001		18 C	7.4	449	18AF		--	--	0.44	0.5	--	0.08	--	--	--	--	
0945	5001							0.06	0.79	0.84	0.90	--	--	--	--	--	0.21	
11/08/74	5001		14 C	7.3	290	15AF		--	--	0.64	0.7	--	0.06	--	--	--	--	
1350	5001							0.06	0.61	0.78	0.84	--	--	--	--	--	0.21	

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-RH	F-EC LAB EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D N02 + N03 T NH3	NUTRIENT D N03	CONSTITUENTS IN MILLIGRAMS PER LITER				PER LITER		D TOT P T TOT P		
										O ORB N	O NH3 + I ORB N	OIS A.M.P.O4	O N-PO4 T N-PO4	O TOT P T TOT P				
89 0 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE										CONTINUED								
11/18/74 1240	5001 5001		13 3	C 7.7	440	114F		-- 0.08	-- 0.58	0.62 0.76	0.7 0.84	--	--	0.06 --	--	0.13		
12/17/74 1220	5001 5001		11 3	C 7.7	373	114F		-- 0.06	-- 0.50	0.44 0.52	0.5 0.50	--	--	0.07 --	--	0.12		
01/21/75 1515	5001 5001		10 3	C 7.4	597	84F		-- 0.16	-- 0.81	0.24 0.38	0.4 0.54	--	--	0.08 --	--	0.14		
02/03/75 1410	5001 5001		10 3	C 7.4	562	124F		-- 0.08	-- 0.67	0.52 0.66	0.6 0.74	--	--	0.07 --	--	0.14		
03/18/75 1010	5001 5000		12 3	C 7.5	381	254F	62	0.71 0.04	0.01 0.70	0.4 0.6	-- 0.64	--	--	0.10 --	--	0.16		
04/01/75 1150	5001 5000		12 3	C 7.7	373	264F	62	0.71 0.02	0.01 0.70	0.4 0.6	-- 0.62	--	--	0.07 --	--	0.14		
04/18/75 1310	5001 5000		14 3	C 7.8	641	214F	89	0.98 0.01	0.01 0.97	0.4 0.6	-- 0.61	--	--	0.09 --	--	0.18		
05/01/75 1235	5001 5000		18 3	C 7.8	695	224F	101	0.93 0.02	0.01 0.92	0.4 0.7	-- 0.72	--	--	0.15 --	--	0.21		
05/15/75 1115	5001 5000		18 3	C 7.9	420	184F	69	0.4 0.00	0.01 0.39	0.4 0.5	-- 0.5	--	--	0.07 --	--	0.15		
06/03/75 1600	5001 5000		20 3	C 7.5	211	224F	39	0.25 0.00	0.00 0.25	0.5 0.5	-- 0.5	--	--	0.06 --	--	0.15		
06/17/75 1525	5001 5000		20 3	C 7.5	153	214F	33	0.31 0.00	0.00 0.31	0.3 0.4	-- 0.4	--	--	0.05 --	--	0.13		
06/25/75 1225	5000 5001		20 3	C 7.9	541	284F	93	-- 0.02	-- 0.72	0.18 0.80	-- 0.82	--	--	0.07 --	--	0.23		
07/01/75 1435	5001 5000		21 3	C 8.2	708	264F	113	0.92 0.02	0.01 0.91	0.2 0.9	-- 0.92	--	--	0.07 --	--	0.23		
07/15/75 1400	5001 5000		22 3	C 8.5	837	254F		0.95 0.00	0.01 0.94	0.3 1.1	-- 1.1	--	--	0.07 --	--	0.23		
07/23/75 1200	5001 5000		26 3	C 8.2	806	354F	108	-- 0.05	-- 1.10	0.65 1.45	-- 1.5	--	--	0.08 --	--	0.29		
08/12/75 1525	5001 5000		25.0C 3	7.4	843	284F		1.13 0.08	0.03 1.1	0.8 1.0	-- 1.08	--	--	0.11 --	--	0.15		
08/26/75 1120	5001 5000		24 3	C 7.7	643	194F		1.02 0.02	0.02 1.0	0.4 0.9	-- 0.92	--	--	0.12 --	--	0.16		
09/11/75 1315	5001 5000		22 3	C 7.8	512	174F		0.88 0.04	0.01 0.87	0.6 0.6	-- 0.64	--	--	0.07 --	--	0.14		
09/25/75 1240	5001 5000		22 3	C 7.7	410	184F		0.76 0.03	0.01 0.75	0.4 0.4	-- 0.43	--	--	0.07 --	--	0.24		
89 0 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																		
10/03/74 0945	5001 5001		19 3	C 7.8	415	174F		-- 0.12	-- 0.62	0.58 0.98	0.7 1.10	--	--	0.05 --	--	0.14		
10/17/74 0950	5001 5001		18 3	C 7.3	498	184F		-- 0.37	-- 0.70	0.63 0.99	1.0 1.36	--	--	0.08 --	--	0.19		
11/07/74 1455	5001 5001		13 3	C 7.3	278	144F		-- 0.14	-- 0.58	0.76 0.86	0.9 1.00	--	--	0.07 --	--	1.11		
11/19/74 1245	5001 5001		13 3	C 7.6	470	124F		-- 0.15	-- 0.62	0.65 0.77	0.8 0.92	--	--	0.09 --	--	0.15		
12/18/74 1200	5001 5001		10 3	C 7.4	484	104F		-- 0.35	-- 0.53	0.25 0.33	0.6 0.68	--	--	0.14 --	--	0.22		
01/22/75 1515	5001 5001		9 3	C 7.4	595	94F		-- 0.22	-- 0.75	0.48 0.60	0.7 0.82	--	--	0.12 --	--	0.19		
02/04/75 1455	5001 5001		10 3	C 7.7	590	144F	71	-- 0.11	-- 0.68	0.59 0.77	0.7 0.88	--	--	0.07 --	--	0.15		
03/19/75 0930	5001 5000		12 3	C 7.6	424	184F	67	0.81 0.06	0.01 0.80	0.4 0.4	-- 0.46	--	--	0.11 --	--	0.16		
04/01/75 1110	5001 5000		11 3	C 7.7	382	234F	62	0.63 0.02	0.00 0.63	0.4 0.5	-- 0.52	--	--	0.07 --	--	0.13		
04/18/75 1225	5001 5000		14 3	C 8.2	665	174F	93	0.92 0.01	0.02 0.90	0.4 0.8	-- 0.81	--	--	0.13 --	--	0.25		
05/01/75 1115	5001 5000		17 3	C 8.2	753	204F	106	0.83 0.01	0.02 0.81	0.6 1.0	-- 1.01	--	--	0.12 --	--	0.23		
05/15/75 1015	5001 5000		18 3	C 8.1	534	204F	85	0.35 0.02	0.01 0.34	0.4 0.8	-- 0.82	--	--	0.10 --	--	0.20		
06/03/75 1515	5001 5000		21 3	C 7.7	250	254F	45	0.16 0.00	0.00 0.16	0.5 0.6	-- 0.6	--	--	0.06 --	--	0.18		
06/17/75 1425	5001 5000		20 3	C 7.7	180	244F	38	0.52 0.03	0.01 0.51	0.4 0.4	-- 0.43	--	--	0.07 --	--	0.13		
07/01/75 1340	5001 5000		20 3	C 8.7	758	274F	111	0.99 0.00	0.01 0.98	0.6 1.1	-- 1.1	--	--	0.06 --	--	0.24		
07/15/75 1300	5001 5000		22 3	C 8.2	945	274F	136	0.65 0.16	0.03 0.62	0.3 1.1	-- 1.26	--	--	0.09 --	--	0.26		
08/12/75 1430	5001 5000		25.0C 3	7.4	878	324F	8*	1.14 0.14	0.04 1.1	0.9 1.1	-- 1.24	--	--	0.17 --	--	0.17		

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G-MIN DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	FIELD CAC03 P CAC03 T	D NO2 + NO3 7 NMS	NUTRIENT D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER				D TOT P T TOT P
										D ORG N T ORG N	D (NH3 + T ORG N)	D P04 T P04	D P04 T P04	
R9 D 749.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE								CONTINUED						
08/26/75	50U1		23	C	7.8	650	24AF	1.12	0.02	0.3	--	0.10	--	
1025	50B0		3					0.10	1.1	0.9	1.0	--	0.19	
09/11/75	50U1		22	C	7.8	515	23AF	0.82	0.02	0.6	--	0.07	--	
1225	50B0		3					0.07	0.80	0.7	0.77	--	0.16	
09/25/75	50U1		23	C	7.5	501	22AF	0.7	0.02	0.5	--	0.09	--	
1145	50B0		3					0.10	0.88	0.5	0.6	--	0.25	
R9 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY														
10/03/74	50U1		20	C	7.8	304	20AF	--	--	0.53	0.6	0.06	--	
1035	50U1		3					0.07	0.35	0.67	0.74	--	0.12	
10/17/74	50U1		19	C	7.3	235	21AF	--	--	0.54	0.6	0.06	--	
1040	50U1		3					0.06	0.40	0.68	0.74	--	0.13	
11/07/74	50U1		13	C	7.3	311	16AF	--	--	0.55	0.7	0.07	--	
1550	50U1		3					0.15	0.65	0.65	0.80	--	0.12	
11/19/74	50U1		13	C	7.5	520	11AF	--	--	0.55	0.7	0.09	--	
1330	50U1		3					0.15	0.79	0.67	0.82	--	0.14	
12/18/74	50U1		19	C	7.5	403	17AF	--	--	0.33	0.4	0.07	--	
1300	50U1		3					0.07	0.92	0.39	0.46	--	0.14	
01/22/75	50U1		7	C	7.2	432	20AF	--	--	0.67	0.8	0.08	--	
1615	50U1		3					0.13	1.60	0.79	0.92	--	0.16	
02/04/75	50U1		8	C	7.5	354	21AF	--	--	0.14	0.8	0.07	--	
1600	50U1		3					0.11	0.92	0.81	0.92	--	0.14	
03/18/75	50U1		12	C	7.5	412	18AF	0.81	0.01	0.5	--	0.10	--	
1155	50B0		3				64	0.83	0.80	0.5	0.53	--	0.14	
04/01/75	50U1		12	C	7.8	377	21AF	0.83	0.01	0.4	--	0.09	--	
1211	50B0		3				66	0.84	0.82	0.5	0.54	--	0.14	
04/16/75	50U1		13	C	7.8	284	24AF	0.7	0.03	0.2	--	0.08	--	
1105	50B0		3					0.02	0.67	0.4	0.42	--	0.11	
05/01/75	50U1		16	C	7.7	233	21AF	0.33	0.00	0.1	--	0.07	--	
1225	50B0		3				56	0.01	0.33	0.3	0.31	--	0.10	
05/15/75	50U1		18	C	7.8	235	25AF	0.17	0.00	0.2	--	0.05	--	
1110	50B0		3				54	0.00	0.17	0.4	0.4	--	0.12	
06/03/75	50U1		21	C	7.8	291	25AF	0.54	0.00	0.3	--	0.06	--	
1635	50B0		3				52	0.02	0.54	0.5	0.52	--	0.14	
06/17/75	50U1		21	C	7.6	220	28AF	0.4	0.00	0.2	--	0.06	--	
1555	50B0		3					0.00	0.40	0.4	0.4	--	0.12	
07/01/75	50U1		22	C	7.6	227	31AF	0.47	0.01	0.4	--	0.06	--	
1525	50B0		3				48	0.00	0.40	0.4	0.4	--	0.16	
07/15/75	50U1		23	C	7.6	248	23AF	0.36	0.00	1.0	--	0.07	--	
1440	50B0		3					0.00	0.36	1.0	1.0	--	0.11	
08/12/75	50U1		25	C	7.6	178	18AF	0.1	0.00	0.3	--	0.06	--	
1245	50B0		3				54	0.02	0.10	0.3	0.32	--	0.10	
08/25/75	50U1		24	C	7.6	268	21AF	0.11	0.00	0.4	--	0.08	--	
1100	50B0		3					0.00	0.11	0.4	0.4	--	0.08	
09/11/75	50U1		23	C	6.5	221	17AF	0.11	0.00	0.3	--	0.04	--	
1335	50B0		3					0.04	0.11	0.5	0.54	--	0.10	
09/26/75	50U1		23	C		242	17AF	0.21	0.00	0.3	--	0.06	--	
1315	50B0		3					0.00	0.21	0.3	0.3	--	0.14	
R9 D 751.9 119.3 SAN JOAQUIN RIVER AT BRANDT BRIDGE														
10/02/74	50U1		19	C	7.5	375	12AF	--	--	0.46	0.5	0.04	--	
0915	50U1		3					0.04	0.69	0.76	0.80	--	0.12	
10/16/74	50U1		18	C	7.4	430	11AF	--	--	0.41	0.5	0.07	--	
0910	50U1		3					0.09	0.86	0.73	0.82	--	0.16	
11/06/74	50U1		15	C	7.4	268	11AF	--	--	0.53	0.6	0.06	--	
1315	50U1		3					0.07	0.80	0.61	0.68	--	0.09	
11/18/74	50U1		13	C	7.7	430	8AF	--	--	0.60	0.7	0.08	--	
1158	50U1		3					0.10	0.63	0.74	0.84	--	0.13	
12/17/74	50U1		11	C	7.6	374	9AF	--	--	0.43	0.5	0.08	--	
1148	50U1		3					0.07	0.50	0.49	0.56	--	0.11	
01/21/75	50U1		10	C	7.4	358	7AF	--	--	0.33	0.4	0.06	--	
1448	50U1		3					0.07	0.62	0.39	0.46	--	0.10	
02/03/75	50U1		10	C		445	10AF	--	--	0.45	0.5	0.05	--	
1335	50U1		3					0.05	0.51	0.57	0.62	--	0.12	
R9 D 757.4 131.7 MIDDLE RIVER AT WACON ISLAND BRIDGE														
10/01/74	50U1		21	C	7.6	355	13AF	--	--	0.29	0.4	0.09	--	
0950	50U1		3					0.11	0.50	0.45	0.56	--	0.15	
10/16/74	50U1		19	C	7.5	326	13AF	--	--	0.19	0.3	0.08	--	
0905	50U1		3					0.11	0.64	0.31	0.42	--	0.12	
11/06/74	50U1		15	C	7.4	325	15AF	--	--	0.55	0.6	0.07	--	
1418	50U1		3					0.05	0.66	0.61	0.66	--	0.11	
11/18/74	50U1		14	C	7.4	352	13AF	--	--	0.45	0.5	0.06	--	
1215	50U1		3					0.05	0.71	0.53	0.58	--	0.12	
12/17/74	50U1		10	C		374	14AF	--	--	0.30	0.4	0.08	--	
1110	50U1		3					0.10	1.18	0.36	0.46	--	0.14	

NUTRIENT ANALYSIS OF SURFACE WATER

CONTINUED

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. OISC#	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD				D N02 + N03		D N02		D ORO N		CONSTITUENTS IN MILLIGRAMS				PFR T	LTPH T	D TOT T			
						TUOB F-C02	CAC03 T	T	NH3	N03	0	7	OR N	0	NH3 +	0	NH3 +	A.M.P04	T				NH3 +	T	
99 0 750.7 122.9 SAN JOAQUIN RIVER AT RUCKLEY COVE																						CONTINUED			
04/16/75	50J1		15	C	7.2	395	154F		0.82	0.06	0.4	--	--	0.11	--	--	--	--	--	--	--				
0835	50S0		3						0.04	0.76	0.6	0.64	--	--	--	--	--	--	--	--	0.17				
05/01/75	50J1		17	C	8.1	549	124F	86	--	0.02	0.3	--	--	0.23	--	--	--	--	--	--	0.28				
0955	50S0		3						0.08	0.76	0.8	0.88	--	--	--	--	--	--	--	--	--				
05/01/75	50S0		17	C	7.9	541	174F	88	--	--	--	--	--	--	--	--	--	--	--	--	--				
0956	50S0		35						--	--	--	--	--	--	--	--	--	--	--	--	--				
05/15/75	50J1		20	C	8.2	453	134F	80	0.54	0.82	0.3	--	--	0.21	--	--	--	--	--	--	0.30				
0855	50S0		3						0.05	0.52	0.8	0.85	--	--	--	--	--	--	--	--	--				
09/03/75	50J1		22	C	8.1	333	174F	57	0.37	0.01	0.4	0.75	--	0.14	--	--	--	--	--	--	0.24				
1400	50S0		3						0.05	0.38	0.7	--	--	--	--	--	--	--	--	--	--				
06/17/75	50J1		22	C	7.6	187	184F		0.39	0.81	0.2	0.44	--	0.10	--	--	--	--	--	--	0.15				
1330	50S0		3						0.04	0.38	0.4	0.44	--	--	--	--	--	--	--	--	--				
07/01/75	50J1		23	C	7.5	415	154F	71	0.96	0.03	0.3	--	--	0.14	--	--	--	--	--	--	0.20				
1305	50S0		3						0.11	0.93	0.4	0.51	--	--	--	--	--	--	--	--	--				
07/15/75	50J1		24	C	7.7	560	114F		0.79	0.03	0.7	--	--	0.13	--	--	--	--	--	--	0.16				
1200	50S0		3						0.10	0.76	0.7	0.8	--	--	--	--	--	--	--	--	--				
08/12/75	50J1		26	C	8.0	426	154F		0.15	0.14	0.8	--	--	0.09	--	--	--	--	--	--	0.15				
1015	50S0		3						0.07	0.14	0.8	0.87	--	--	--	--	--	--	--	--	--				
08/25/75	50J1		25	C	7.6	566	124F		0.57	0.04	0.7	--	--	0.24	--	--	--	--	--	--	0.39				
0855	50S0		3						0.36	0.53	0.8	1.16	--	--	--	--	--	--	--	--	--				
09/11/75	50J1		24	C	8.2	620	124F		1.45	0.56	0.8	--	--	0.32	--	--	--	--	--	--	0.46				
1100	50S0		3						0.28	0.89	0.8	1.08	--	--	--	--	--	--	--	--	--				
09/26/75	50J1		24	C		512	84F		1.39	0.09	0.6	--	--	0.24	--	--	--	--	--	--	0.39				
1105	50S0		3						0.21	1.3	0.6	0.81	--	--	--	--	--	--	--	--	--				
99 0 750.8 124.5 TURNER CUT AT McDONALD ISLAND FERRY																									
10/01/74	50J1		21	C	7.5	403	154F		--	--	0.38	0.6	--	0.13	--	--	--	--	--	--	--				
0925	50J1		3						0.22	0.57	0.58	0.80	--	--	--	--	--	--	--	--	0.22				
10/16/74	50J1		18	C	7.6	435	164F		--	--	0.34	0.5	--	0.11	--	--	--	--	--	--	--				
0824	50J1		3						0.16	0.87	0.54	0.70	--	--	--	--	--	--	--	--	0.19				
11/06/74	50J1		15	C	7.4	300	134F		--	--	0.41	0.5	--	0.10	--	--	--	--	--	--	--				
1340	50J1		3						0.09	0.65	0.61	0.70	--	--	--	--	--	--	--	--	0.18				
11/18/74	50J1		14	C	7.5	378	134F		--	--	0.46	0.6	--	0.16	--	--	--	--	--	--	--				
1150	50J1		3						0.14	0.72	0.64	0.78	--	--	--	--	--	--	--	--	0.27				
12/17/74	50J1		11	C		348	154F		--	--	0.18	0.3	--	0.12	--	--	--	--	--	--	--				
1040	50J1		3						0.12	0.12	0.26	0.38	--	--	--	--	--	--	--	--	0.18				
02/03/75	50J1		9	C	7.2	462	104F		--	--	0.67	0.8	--	0.13	--	--	--	--	--	--	--				
1300	50J1		3						0.13	0.75	0.83	0.96	--	--	--	--	--	--	--	--	0.16				
99 0 801.1 142.6 BIG RHEAK NEAR OAKLEY																									
10/09/74	50J1		14	C	7.9	166	154F		--	--	0.18	0.2	--	0.05	--	--	--	--	--	--	--				
1205	50J1		3						0.04	0.13	0.28	0.32	--	--	--	--	--	--	--	--	0.10				
10/23/74	50J1		18	C	7.8	142	114F		--	--	0.56	0.6	--	0.05	--	--	--	--	--	--	--				
1144	50J1		3						0.04	0.17	0.62	0.66	--	--	--	--	--	--	--	--	0.11				
11/21/74	50J1		13	C	7.6	182	114F		--	--	0.26	0.3	--	0.07	--	--	--	--	--	--	--				
1200	50J1		3						0.04	0.37	0.32	0.36	--	--	--	--	--	--	--	--	0.10				
12/11/74	50J1		16	C	7.2	177	114F		--	--	0.86	0.1	--	0.05	--	--	--	--	--	--	--				
1535	50J1		3						0.04	0.30	0.10	0.14	--	--	--	--	--	--	--	--	0.10				
01/08/75	50J1		8	C	7.9	231	154F	56	--	--	0.24	0.3	--	0.07	--	--	--	--	--	--	--				
1425	50J1		3						0.06	0.48	0.32	0.38	--	--	--	--	--	--	--	--	0.12				
02/08/75	50J1		9	C	7.7	219	144F	61	--	--	0.34	0.4	--	0.07	--	--	--	--	--	--	--				
1445	50J1		3						0.06	0.40	0.44	0.50	--	--	--	--	--	--	--	--	0.12				
03/20/75	50J1		11	C	7.8	256	404F		0.46	0.00	0.3	--	--	0.07	--	--	--	--	--	--	--				
1055	50S0		3						0.03	0.46	0.3	0.33	--	--	--	--	--	--	--	--	0.13				
04/03/75	50J1		12	C	7.9	203	464F	56	0.4	0.00	0.3	--	--	0.05	--	--	--	--	--	--	--				
1145	50S0		3						0.01	0.40	0.4	0.41	--	--	--	--	--	--	--	--	0.12				
04/23/75	50J1		16	C	8.0	178	204F	56	0.24	0.00	0.2	--	--	0.06	--	--	--	--	--	--	--				
1605	50S0		3						0.00	0.24	0.2	0.2	--	--	--	--	--	--	--	--	0.07				
05/08/75	50J1		18	C	8.8	143	164F	51	0.87	0.00	0.1	--	--	0.04	--	--	--	--	--	--	--				
1625	50S0		3						0.00	0.07	0.2	0.2	--	--	--	--	--	--	--	--	0.07				
05/22/75	50J1		26	C	8.4	160	234F	48	0.81	0.00	0.2	--	--	0.04	--	--	--	--	--	--	--				
1640	50S0		3						0.00	0.01	0.3	0.3	--	--	--	--	--	--	--	--	0.08				
06/05/75	50J1		23	C	8.0	173	324F	52	0.81	0.00	0.1	--	--	0.04	--	--	--	--	--	--	--				
1700	50S0		3						0.00	0.01	0.5	0.5	--	--	--	--	--	--	--	--	0.12				
06/19/75	50J1		26	C	7.6	152	214F	44	0.15	0.00	0.1	--	--	0.05	--	--	--	--	--	--	0.09				
1450	50S0		3						0.00	0.15	0.3	0.3	--	--	--	--	--	--	--	--	--				
07/03/75	50J1		21	C	7.9	152	244F	44	0.17	0.00	0.3	--	--	0.05	--	--	--	--	--	--	0.05				
1400	50S0		3						0.05	0.17	0.3	0.35	--	--	--	--	--	--	--	--	--				
07/17/75	50J1		23	C	7.8	176	204F		0.2	0.00	0.3	--	--	0.05	--	--	--	--	--	--	0.07				
1505	50S0		3						0.07	0.20	0.5	0.57	--	--	--	--	--	--	--	--	--				
08/14/75	50J1		21	C	8.3	330	204F	57	0.11	0.00	0.3	--	--	0.07	--	--	--	--	--	--	0.08				
1200	50S0		3						0.00	0.11	0.3	0.3	--	--	--	--	--	--	--	--	--				
08/27/75	50J1		20	C	8.1	350	204F	57	0.86	0.00	0.2	--	--	0.04	--	--	--	--	--	--	--				
0920	50S0		3						0.00	0.09	0.3	0.3	--	--	--	--	--	--	--	--	0.11				
09/03/75	50J1		24	C	8.3	258	144F		0.84	0.00	0.1	--	--	0.06	--	--	--	--	--	--	--				
1725	50S0		3						0.00	0.04	0.3	0.3	--	--	--	--	--	--	--	--	--				

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.W. DTSCH	TEMP DEPTH	F-RH LAB	F-EC EC	FIELD			D N02 + N03 T N03	D N03	NUTRIENT CONSTITUENTS IN MILLIGRAMS				PPM T	LITR A	TOT P
						TURB F-CO2	CACO3 CACO3	P T			0 ORG N T ORG N	0 INH3 T ORG N	0 NH4 A NH4	0 NH4 A NH4			
R9 0 801.1 142.6 RIG BREAK NEAR OAKLEY																	
CONTINUED																	
09/17/75	S001		21	C	4.1	243	20AF		0.09	0.00	0.4	--			0.05	--	
1635	S050		3						0.00	0.09	0.4	0.4	--		--	0.12	
R9 D 801.2 144.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																	
10/09/74	S001		19	C	7.9	178	17AF		--	--	0.25	0.3			0.05	--	
1135	S001		3						0.05	0.13	0.37	0.42			--	0.12	
10/23/74	S001		18	C	7.7	175	19AF		--	--	0.18	0.2			0.05	--	
1105	S001		3						0.02	0.14	0.26	0.28			--	0.12	
11/21/74	S001		14	C	7.8	175	15AF		--	--	0.15	0.2			0.07	--	
1135	S001		3						0.05	0.28	0.23	0.28			--	0.10	
12/11/74	S001		10	C	7.5	138	25AF		--	--	0.15	0.2			0.05	--	
1505	S001		3						0.05	0.23	0.19	0.24			--	0.11	
01/08/75	S001		8	C	7.8	273	17AF		--	--	0.13	0.2			0.07	--	
1355	S001		3						0.07	0.36	0.17	0.24			--	0.11	
02/06/75	S001		9	C	7.7	342	20AF		--	--	0.24	0.3			0.07	--	
1415	S001		3						0.06	0.34	0.32	0.38			--	0.12	
03/20/75	S001		12	C	7.6	222	50AF		0.38	0.00	0.2	--			0.06	--	
1025	S050		3					60	0.01	0.38	0.3	0.31			--	0.12	
04/03/75	S001		12	C	7.8	185	54AF		0.35	0.00	0.3	--			0.04	--	
1115	S050		3					50	0.01	0.35	0.3	0.31			--	0.11	
04/23/75	S001		15	C	7.9	179	21AF		0.22	0.00	0.2	--			0.06	--	
1535	S050		3					59	0.00	0.22	0.2	0.2			--	0.07	
05/08/75	S001		16	C	8.1	166	18AF		0.07	0.00	0.1	--			0.04	--	
1555	S050		3					51	0.00	0.07	0.3	0.3			--	0.08	
05/22/75	S001		18	C	8.2	179	19AF		0	0.00	0.2	--			0.03	--	
1605	S050		3					48	0.00	0.00	0.3	0.3			--	0.07	
06/05/75	S001		21	C	8.0	167	19AF		0.04	0.00	0.1	--			0.04	--	
1625	S050		3					52	0.00	0.04	0.3	0.3			--	0.06	
06/19/75	S001		20	C	7.7	157	21AF		0.09	0.00	0.1	--			0.05	--	
1420	S050		3					46	0.00	0.09	0.3	0.3			--	0.09	
07/03/75	S001		20	C	7.8	169	21AF		0.1	0.00	0.3	--			0.05	--	
1335	S050		3					48	0.06	0.10	0.3	0.30			--	0.05	
07/17/75	S001		22	C	7.9	426	19AF		0.12	0.00	0.2	--			0.05	--	
1430	S050		3						0.07	0.12	0.5	0.57			--	0.08	
08/14/75	S001		21	C	8.1	1150	29AF		0.17	0.00	0.3	--			0.06	--	
1130	S050		3					54	0.00	0.17	0.3	0.3			--	0.09	
08/27/75	S001		22	C	7.9	707	24AF		0.14	0.00	0.2	--			0.05	--	
0855	S050		3					54	0.00	0.14	0.2	0.2			--	0.12	
09/03/75	S001		22	C	7.8	527	22AF		0.12	0.00	0.1	--			0.07	--	
1640	S050		3						0.00	0.12	0.3	0.3			--	0.14	
09/17/75	S001		20	C	8.0	409	21AF		--	0.00	0.4	--			0.06	--	
1605	S050		3						0.00	0.16	0.5	0.5			--	0.13	
R9 0 802.6 125.1 DISAPPOINTMENT SLOUGH AT HISHOP CUT																	
10/02/74	S001		20	C	7.2	172	18AF		--	--	0.46	0.5			0.06	--	
0800	S001		3						0.04	0.04	0.66	0.70			--	0.13	
10/16/74	S001		17	C	7.2	142	17AF		--	--	0.45	0.5			0.06	--	
0745	S001		3						0.05	0.15	0.59	0.64			--	0.13	
11/06/74	S001		15	C	7.3	231	16AF		--	--	0.54	0.6			0.07	--	
1225	S001		3						0.06	0.34	0.68	0.74			--	0.14	
11/18/74	S001		14	C	7.4	240	15AF		--	--	0.64	0.7			0.09	--	
1040	S001		3						0.06	0.37	0.82	0.88			--	0.15	
12/17/74	S001		10	C	7.4	277	13AF		--	--	0.63	0.8			0.13	--	
1015	S001		3						0.17	0.44	0.73	0.90			--	0.18	
01/21/75	S001		8	C	7.2	372	17AF		--	--	0.66	0.8			0.17	--	
1335	S001		3					51	0.14	1.50	0.78	0.92			--	0.22	
02/03/75	S001		8	C		407	18AF		--	--	0.57	0.8			0.15	--	
1240	S001		3						0.23	1.16	0.75	0.98			--	0.28	
03/18/75	S001		11	C	8.1	289	33AF		0.49	0.01	0.1	--			0.25	--	
0805	S050		3					74	0.14	0.68	0.2	0.36			--	0.32	
04/01/75	S001		11	C	7.7	365	31AF		0.70	0.01	0.5	--			0.23	--	
0955	S050		3					83	0.04	0.77	0.6	0.64			--	0.29	
04/18/75	S001		14	C	7.6	317	22AF		0.74	0.00	0.4	--			0.16	--	
1020	S050		3					77	0.00	0.34	0.6	0.6			--	0.25	
05/01/75	S001		17	C	7.7	229	22AF		0.11	0.00	0.4	--			0.12	--	
1005	S050		3					64	0.00	0.11	0.5	0.5			--	0.18	
05/15/75	S001		17	C	7.4	144	22AF		0.08	0.00	0.3	--			0.07	--	
0830	S050		3					43	0.01	0.08	0.3	0.31			--	0.14	
06/03/75	S001		22	C	7.3	185	23AF		0.09	0.00	0.5	--			0.09	--	
1345	S050		3					50	0.00	0.09	0.5	0.5			--	0.14	
06/17/75	S001		21	C	7.5	215	22AF		0.31	0.00	0.4	--			0.10	--	
1255	S050		3					54	0.00	0.31	0.4	0.4			--	0.13	
07/01/75	S001		22	C	7.7	234	28AF		0.27	0.00	0.7	--			0.08	--	
1205	S050		3					66	0.00	0.27	0.7	0.7			--	0.17	
07/15/75	S001		22	C	8.1	237	28AF		0.3	0.00	0.3	--			0.08	--	
1130	S050		3					65	0.04	0.30	0.4	0.44			--	0.14	

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP L-#	G-M DISCH	TEMP DEPTH	F-PH	F-EC	TURB	CAC03 P	CAC03 T	NUTRIENT CONSTITUENTS IN MILLION/HA5 PER LITR										O TOT P
									0 NO2 + NO3 T NM3	0 NO2 O NO3	0 ORG N T ORG N	0 (NH3 + T ORG N	0 NH4PO4 T NH4PO4	0 N-PO4 T N-PO4	0 TOT P T TOT P				
R9 0 802.6 125+1 DISAPPOINTMENT SLOUGH AT BISHOP CUT									CONTINUED										
08/12/75	56U1		21.0	C	6.8	260	184F		0.16	0.00	0.5	--	--	--	0.09	--	--		
1235	56D0		3						0.03	0.18	0.5	0.53	--	--	--	--	0.15		
08/26/75	56U1		24	C	7.4	228	174F		0.16	0.00	0.2	--	--	--	0.07	--	--		
0905	56D0		3						0.03	0.16	0.4	0.43	--	--	--	--	0.12		
09/11/75	56U1		22	C	7.7	221	154F		0.08	0.08	0.3	--	--	--	0.05	--	--		
1035	56D0		3						0.00	0.08	0.3	0.3	--	--	--	--	0.11		
09/25/75	56U1		23	C	7.6	250	214F		0.09	0.00	0.3	--	--	--	0.09	--	--		
1020	56D0		3						0.01	0.09	0.3	0.31	--	--	--	--	0.18		
R9 0 802.6 136+8 FRANKS TRACT NEAR RUSSOS LANDING																			
10/08/74	56U1		18	C	7.9	180	144F		--	--	0.17	0.2	--	--	0.04	--	--		
1205	56U1		3						0.03	0.14	0.29	0.32	--	--	--	--	0.10		
11/20/74	56U1		13	C	7.7	261	124F		--	--	0.26	0.3	--	--	0.06	--	--		
1120	56U1		3						0.04	0.39	0.32	0.36	--	--	--	--	0.10		
12/10/74	56U1		10	C	7.6	202	104F		--	--	0.06	0.1	--	--	0.06	--	--		
1530	56U1		3						0.04	0.35	0.10	0.14	--	--	--	--	0.10		
01/07/75	56U1		7	C	7.6	209	124F		--	--	0.21	0.3	--	--	0.06	--	--		
1445	56U1		3						0.09	0.49	0.25	0.34	--	--	--	--	0.10		
02/05/75	56U1		8	C	7.3	211	144F		--	--	0.32	0.4	--	--	0.06	--	--		
1355	56U1		3						0.08	0.39	0.38	0.36	--	--	--	--	0.11		
03/19/75	56U1		12	C	7.6	263	324F	60	0.51	0.00	0.3	--	--	--	0.08	--	--		
1035	56D0		3						0.05	0.51	0.3	0.35	--	--	--	--	0.12		
04/02/75	56U1		12	C	7.8	206	374F	50	0.42	0.00	0.3	--	--	--	0.06	--	--		
1055	56D0		3						0.03	0.42	0.4	0.43	--	--	--	--	0.12		
04/22/75	56U1		15	C	7.8	188	184F	54	0.27	0.00	0.2	--	--	--	0.05	--	--		
1605	56D0		3						0.00	0.27	0.2	0.2	--	--	--	--	0.09		
05/07/75	56U1		17	C	8.2	139	174F	46	0.1	0.00	0.1	--	--	--	0.04	--	--		
1610	56D0		3						0.00	0.10	0.2	0.2	--	--	--	--	0.08		
05/21/75	56U1		18	C	8.2	137	234F	46	0.01	0.00	0.1	--	--	--	0.03	--	--		
1525	56D0		3						0.00	0.01	0.3	0.3	--	--	--	--	0.10		
06/04/75	56U1		24	C	8.4	167	174F	49	0.05	0.00	0.2	--	--	--	0.04	--	--		
1440	56D0		3						0.00	0.05	0.3	0.3	--	--	--	--	0.09		
06/18/75	56U1		21	C	7.8	154	244F	45	0.16	0.00	0.2	--	--	--	0.05	--	--		
1410	56D0		3						0.00	0.16	0.4	0.4	--	--	--	--	0.10		
07/02/75	56U1		21	C	7.8	146	244F	47	0.24	0.00	0.2	--	--	--	0.05	--	--		
1310	56D0		3						0.00	0.24	0.3	0.3	--	--	--	--	0.09		
07/16/75	56U1		22	C	7.9	163	184F		0.25	0.00	0.2	--	--	--	0.06	--	--		
1235	56D0		3						0.05	0.25	0.8	0.85	--	--	--	--	0.06		
08/13/75	56U1		22	C	8.0	262	174F	53	0.11	0.00	0.1	--	--	--	0.06	--	--		
1120	56D0		3						0.01	0.11	0.2	0.21	--	--	--	--	0.09		
08/26/75	56U1		22	C	8.0	211	164F	57	0.07	0.00	0.2	--	--	--	0.05	--	--		
1000	56D0		3						0.00	0.07	0.2	0.2	--	--	--	--	0.10		
09/02/75	56U1		24	C	8.5	230	114F		0.04	0.00	0.2	--	--	--	0.06	--	--		
1550	56D0		3						0.00	0.04	0.3	0.3	--	--	--	--	0.08		
09/16/75	56U1		21	C	8.2	204	114F		0.11	0.00	0.3	--	--	--	0.06	--	--		
1810	56D0		3						0.00	0.11	0.4	0.4	--	--	--	--	0.10		
R9 0 802.6 147+8 SHERMAN LAKE NEAR ANTIJICH																			
10/08/74	56U1		19	C	7.8	186	174F		--	--	0.56	0.6	--	--	0.05	--	--		
1020	56U1		3						0.04	0.13	0.66	0.70	--	--	--	--	0.10		
11/20/74	56U1		14	C	7.7	184	124F		--	--	0.37	0.4	--	--	0.06	--	--		
0935	56U1		3						0.03	0.31	0.43	0.46	--	--	--	--	0.10		
12/10/74	56U1		10	C	7.6	148	204F		--	--	0.25	0.3	--	--	0.05	--	--		
1325	56U1		3						0.05	0.22	0.29	0.34	--	--	--	--	0.08		
01/07/75	56U1		7	C	7.6	235	144F		--	--	0.23	0.3	--	--	0.07	--	--		
1240	56U1		3						0.07	0.36	0.27	0.34	--	--	--	--	0.10		
02/05/75	56U1		9	C	7.2	254	184F		--	--	0.32	0.4	--	--	0.06	--	--		
1145	56U1		3						0.08	0.29	0.38	0.46	--	--	--	--	0.11		
03/19/75	56U1		11	C	7.6	197	484F	62	0.22	0.00	0.2	--	--	--	0.05	--	--		
0800	56D0		3						0.02	0.22	0.3	0.32	--	--	--	--	0.08		
04/02/75	56U1		11	C	7.7	149	664F	56	0.17	0.00	0.2	--	--	--	0.04	--	--		
0835	56D0		3						0.02	0.17	0.2	0.22	--	--	--	--	0.08		
04/22/75	56U1		14	C	7.9	180	264F	58	0.25	0.00	0.2	--	--	--	0.05	--	--		
1340	56D0		3						0.00	0.25	0.2	0.2	--	--	--	--	0.09		
05/07/75	56U1		16	C	7.8	141	234F	49	0.13	0.00	0.0	--	--	--	0.05	--	--		
1420	56D0		3						0.00	0.13	0.2	0.2	--	--	--	--	0.08		
05/21/75	56U1		17	C	8.1	144	234F	48	0.01	0.00	0.1	--	--	--	0.03	--	--		
1335	56D0		3						0.00	0.01	0.3	0.3	--	--	--	--	0.09		
06/04/75	56U1		21	C	7.8	158	164F	54	0.1	0.00	0.2	--	--	--	0.05	--	--		
1300	56D0		3						0.02	0.10	0.2	0.22	--	--	--	--	0.08		
06/18/75	56U1		20	C	7.8	140	224F	41	0.09	0.00	0.1	--	--	--	0.04	--	--		
1220	56D0		3						0.00	0.09	0.3	0.3	--	--	--	--	0.09		
07/02/75	56U1		20	C	8.0	159	254F	51	0.15	0.00	0.2	--	--	--	0.05	--	--		
1110	56D0		3						0.01	0.15	0.3	0.31	--	--	--	--	0.09		
07/16/75	56U1		21	C	7.8	425	234F		0.17	0.00	0.3	--	--	--	0.04	--	--		
1850	56D0		3						0.04	0.17	0.7	0.74	--	--	--	--	0.04		



TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD				NUTRIENT			CONSTITUENTS IN MILLIGRAMS PER LITER				D TOT P	
						TURB F-CO2	CA CACO3	P T	O N02 T N03	O N02 O N03	O ORG N T ORG N	O ORG N T ORG N	O ORG N T ORG N	O ORG N T ORG N				
89 0 802.6 147.6 SHERMAN LAKE NEAR ANTILOCH																		
CONTINUED																		
08/13/75	5001		20	C	8.0	870	32AF		55	0.16	0.00	0.4	0.43	--	0.06	--	--	--
0930	5050		3							0.03	0.16	0.4			--	--	--	0.06
08/26/75	5001		21	C	7.9	832	31AF		58	0.16	0.08	0.2	0.2	--	0.07	--	--	0.08
0720	5050		3							0.05	0.16	0.2			--	--	--	
09/02/75	5001		22	C	7.9	498	23AF			0.14	0.08	0.2	0.2	--	0.07	--	--	--
1400	5050		3							0.06	0.14	0.2			--	--	--	0.09
09/16/75	5001		20	C	8.0	416	20AF			0.14	0.00	0.1	0.2	--	0.04	--	--	--
1410	5050		3							0.06	0.14	0.2			--	--	--	0.14
89 0 802.9 132.0 5th JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER																		
10/01/74	5001		20	C	7.6	208	13AF			--	--	0.17	0.2	--	0.06	--	--	--
0800	5001		3							0.03	0.22	0.29	0.32	--	--	--	--	0.10
10/16/74	5001		18	C	7.6	161	11AF			--	--	0.15	0.2	--	0.08	--	--	--
0700	5001		3							0.05	0.31	0.21	0.26	--	--	--	--	0.10
11/06/74	5001		15	C	7.4	219	9AF			--	--	0.44	0.5	--	0.07	--	--	--
1230	5001		3							0.06	0.41	0.50	0.56	--	--	--	--	0.10
11/18/74	5001		14	C	7.7	210	10AF			--	--	0.24	0.3	--	0.07	--	--	--
1030	5001		3							0.06	0.41	0.28	0.34	--	--	--	--	0.10
12/17/74	5001		10	C	7.2	253	10AF			--	--	0.11	0.2	--	0.09	--	--	--
0905	5001		3							0.09	0.56	0.15	0.24	--	--	--	--	0.12
02/03/75	5001		R	C	7.3	225	11AF			--	--	0.47	0.6	--	0.07	--	--	--
1130	5001		3							0.13	0.38	0.55	0.68	--	--	--	--	0.13
89 0 803.1 141.3 5th JOAQUIN RIVER AT JERSEY POINT																		
10/08/74	5001		19	C	8.0	155	13AF			--	--	0.17	0.2	--	0.04	--	--	--
1145	5001		3							0.03	0.13	0.25	0.28	--	--	--	--	0.09
11/20/74	5001		13	C	7.7	177	10AF			--	--	0.26	0.3	--	0.07	--	--	--
1100	5001		3							0.04	0.33	0.32	0.36	--	--	--	--	0.10
12/10/74	5001		11	C	7.6	178	11AF			--	--	0.67	0.1	--	0.05	--	--	--
1500	5001		3							0.03	0.26	0.13	0.16	--	--	--	--	0.09
01/07/75	5001		7	C	7.7	230	10AF			--	--	--	--	--	--	--	--	--
1420	5001		3							0.10	0.44	0.24	0.34	--	--	--	--	--
02/05/75	5001		8	C	7.4	223	13AF			--	--	0.45	0.5	--	0.06	--	--	--
1330	5001		3							0.05	0.38	0.53	0.58	--	--	--	--	0.11
03/19/75	5001		11	C	7.6	230	52AF		58	0.4	0.00	0.3	--	--	0.06	--	--	--
1010	5050		3							0.04	0.40	0.3	0.34	--	--	--	--	0.14
04/02/75	5001		11	C	7.7	183	54AF		53	0.33	0.00	0.2	--	--	0.06	--	--	--
1025	5050		3							0.01	0.33	0.3	0.31	--	--	--	--	0.12
04/22/75	5001		14	C	7.8	171	19AF		55	0.27	0.00	0.1	--	--	0.05	--	--	--
1540	5050		3							0.06	0.27	0.2	0.2	--	--	--	--	0.10
05/07/75	5001		16	C	8.0	143	16AF		48	0.12	0.00	0.0	--	--	0.05	--	--	--
1550	5050		3							0.02	0.12	0.2	0.22	--	--	--	--	0.07
05/21/75	5001		17	C	8.0	134	17AF		46	0.06	0.00	0.1	--	--	0.04	--	--	--
1500	5050		3							0.00	0.06	0.3	0.3	--	--	--	--	0.07
06/04/75	5001		21	C	7.9	161	16AF		51	0.11	0.00	0.2	--	--	0.05	--	--	--
1420	5050		3							0.00	0.11	0.3	0.3	--	--	--	--	0.09
06/18/75	5001		20	C	8.0	146	19AF		46	0.15	0.00	0.1	--	--	0.05	--	--	--
1345	5050		3							0.00	0.15	0.3	0.3	--	--	--	--	0.09
07/02/75	5001		20	C	7.8	149	19AF		48	0.2	0.00	0.1	--	--	0.05	--	--	--
1245	5050		3							0.00	0.20	0.2	0.2	--	--	--	--	0.08
07/16/75	5001		22	C	7.9	174	16AF			0.25	0.00	0.5	--	--	0.06	--	--	--
1215	5050		3							0.00	0.25	0.5	0.5	--	--	--	--	0.09
08/13/75	5001		22	C	8.0	357	18AF		54	0.12	0.00	0.3	--	--	0.06	--	--	--
1100	5050		3							0.02	0.12	0.3	0.32	--	--	--	--	0.06
08/26/75	5001		22	C	7.8	342	17AF		56	0.09	0.00	0.2	--	--	0.06	--	--	--
0935	5050		3							0.00	0.09	0.2	0.2	--	--	--	--	0.11
09/02/75	5001		22	C	8.0	270	13AF			0.11	0.00	0.1	--	--	0.06	--	--	--
1530	5050		3							0.00	0.11	0.2	0.2	--	--	--	--	0.09
09/16/75	5001		20	C	8.0	246	12AF			0.1	0.00	0.3	--	--	0.06	--	--	--
1540	5050		3							0.00	0.10	0.3	0.3	--	--	--	--	0.11
89 0 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																		
10/08/74	5001		19	C	7.7	175	17AF			--	--	0.15	0.2	--	0.05	--	--	--
1000	5001		3							0.05	0.13	0.25	0.30	--	--	--	--	0.10
11/20/74	5001		13	C	7.7	152	11AF			--	--	0.24	0.3	--	0.07	--	--	--
0900	5001		3							0.06	0.24	0.28	0.34	--	--	--	--	0.10
12/10/74	5001		11	C	7.6	145	26AF			--	--	0.24	0.3	--	0.05	--	--	--
1305	5001		3							0.06	0.21	0.28	0.34	--	--	--	--	0.09
01/07/75	5001		7	C	7.2	344	17AF		43	--	--	0.31	0.4	--	0.07	--	--	--
1215	5001		3							0.09	0.34	0.39	0.48	--	--	--	--	0.10
02/05/75	5001		8	C	7.3	257	17AF			--	--	0.41	0.5	--	0.07	--	--	--
1120	5001		3							0.09	0.20	0.51	0.60	--	--	--	--	0.11
03/19/75	5001		11	C	7.6	201	46AF		64	0.28	0.00	0.2	--	--	0.05	--	--	--
0730	5050		3							0.02	0.28	0.3	0.32	--	--	--	--	0.08
04/02/75	5001		11	C	7.9	146	68AF		56	0.14	0.00	0.2	--	--	0.03	--	--	--
0800	5050		3							0.01	0.18	0.2	0.21	--	--	--	--	0.09

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	B.W. DISCH	TEMP DEPTH	F-PH	F-EC	FIELD			O NO2 + NO3		NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER				PFR LTR	O TOT P
						TURB	CAO3 P	CAO3 T	O NO2	O NO3	O NH3 + T ORN	O NH3 T ORN	A.M. PDA	O PDA		
R9 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																
CONTINUED																
04/22/75 1305	50J1 5090		14 C 7.9 3	174	23AF		59	0.22 0.00	0.00 0.22	0.2 0.3	-- 0.3	-- --	n.06 --	-- 0.10		
05/07/75 1345	50J1 5130		15 C 7.8 3	146	22AF		51	0.13 0.04	0.02 0.13	0.2 0.2	-- 0.24	-- --	n.05 --	-- 0.10		
05/21/75 1300	50J1 5090		17 C 8.0 3	139	20AF		48	0.07 0.05	0.00 0.07	0.2 0.3	-- 0.35	-- --	n.04 --	-- 0.08		
06/04/75 1235	50J1 5090		20 C 7.9 3	163	16AF		52	0.09 0.03	0.00 0.09	0.1 0.2	-- 0.23	-- --	n.05 --	-- 0.08		
06/18/75 1145	50J1 5130		20 C 7.8 3	132	21AF		41	0.09 0.00	0.00 0.00	0.1 0.3	-- 0.3	-- --	n.04 --	-- 0.08		
07/02/75 1040	50J1 5090		20 C 7.9 1	168	24AF		48	0.11 0.00	0.00 0.11	0.2 0.4	-- 0.4	-- --	n.04 --	-- 0.10		
07/16/75 1015	50J1 5150		21 C 7.8 3	541	23AF			0.17 0.04	0.00 0.17	0.6 0.3	-- 0.64	-- --	n.04 --	-- 0.05		
08/31/75 0915	50J1 5090		21 C 8.0 1	1750	34AF		50	0.17 0.04	0.00 0.17	0.3 0.3	-- 0.34	-- --	n.06 --	-- 0.06		
08/26/75 0650	50J1 5090		21 C 7.9 3	912	33AF			0.25 0.17	0.00 0.25	0.3 0.3	-- 0.47	-- --	n.08 --	-- 0.08		
09/02/75 1345	50J1 5090		22 C 7.9 3	190	20AF			0.15 0.00	0.00 0.15	0.2 0.2	-- 0.2	-- --	n.07 --	-- 0.07		
09/16/75 1420	50J1 5090		20 C 8.0 3	354	19AF			0.16 0.01	0.00 0.16	0.4 0.4	-- 0.41	-- --	n.07 --	-- 0.13		
R9 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																
10/08/74 1220	50J1 5091		18 C 7.7 3	144	10AF			-- 0.06	-- 0.16	0.14 0.20	0.2 0.26	-- --	n.05 --	-- 0.09		
11/20/74 1140	50J1 5091		13 C 7.6 3	169	9AF			-- 0.09	-- 0.20	0.35 0.37	0.4 0.46	-- --	n.05 --	-- 0.08		
12/10/74 1550	50J1 5091		10 C 7.6 3	171	15AF			-- 0.06	-- 0.29	0.24 0.28	0.3 0.34	-- --	n.05 --	-- 0.09		
01/07/75 1510	50J1 5091		7 C 7.6 3	193	12AF			-- 0.10	-- 0.40	0.20 0.22	0.3 0.32	-- --	n.06 --	-- 0.10		
02/05/75 1415	50J1 5091		8 C 7.3 3	186	21AF			-- 0.12	-- 0.32	0.28 0.36	0.4 0.48	-- --	n.07 --	-- 0.12		
03/19/75 1050	50J1 5090		11 C 7.6 3	232	33AF		59	0.42 0.05	0.00 0.42	0.2 0.3	-- 0.35	-- --	n.08 --	-- 0.13		
04/02/75 1125	50J1 5090		12 C 7.7 3	143	46AF		50	0.22 0.00	0.00 0.22	0.1 0.2	-- 0.2	-- --	n.04 --	-- 0.10		
04/22/75 1625	50J1 5090		14 C 7.8 3	160	17AF		52	0.22 0.01	0.00 0.22	0.2 0.2	-- 0.21	-- --	n.06 --	-- 0.11		
05/07/75 1630	50J1 5090		15 C 7.7 3	122	14AF		43	0.13 0.02	0.00 0.13	0.1 0.2	-- 0.22	-- --	n.05 --	-- 0.07		
05/21/75 1540	50J1 5090		17 C 7.8 3	143	16AF		46	0.12 0.02	0.00 0.12	0.2 0.2	-- 0.22	-- --	n.05 --	-- 0.08		
06/04/75 1455	50J1 5130		21 C 7.7 3	161	16AF		45	0.15 0.01	0.00 0.15	0.2 0.2	-- 0.21	-- --	n.06 --	-- 0.08		
06/18/75 1425	50J1 5130		21 C 7.6 3	137	17AF		43	0.19 0.00	0.00 0.19	0.1 0.2	-- 0.2	-- --	n.06 --	-- 0.09		
07/02/75 1330	50J1 5090		21 C 7.7 3	145	17AF		49	0.26 0.00	0.00 0.26	0.1 0.3	-- 0.3	-- --	n.06 --	-- 0.08		
07/16/75 1255	50J1 5130		23 C 7.7 3	149	13AF			0.22 0.08	0.00 0.22	0.2 0.4	-- 0.48	-- --	n.06 --	-- 0.07		
08/13/75 1140	50J1 5090		22 C 7.9 1	152	16AF		53	0.12 0.02	0.00 0.12	0.1 0.2	-- 0.22	-- --	n.06 --	-- 0.08		
08/26/75 1015	50J1 5090		22 C 7.8 1	169	11AF		67	0.14 0.00	0.00 0.14	0.2 0.2	-- 0.2	-- --	n.06 --	-- 0.10		
09/02/75 1615	50J1 5090		22 C 7.8 3	160	11AF			0.11 0.00	0.00 0.11	0.2 0.2	-- 0.2	-- --	n.06 --	-- 0.08		
09/16/75 1650	50J1 5090		20 C 7.9 3	188	9AF			0.13 0.01	0.00 0.13	0.3 0.3	-- 0.31	-- --	n.06 --	-- 0.10		
R9 D 805.0 124.1 WHITE SLOUGH AT CONCRETE FERRY (SITE)																
10/02/74 0715	50J1 5091		19 C 7.3 1	112	10AF			-- 0.07	-- 0.12	0.33 0.39	0.4 0.46	-- --	n.04 --	-- 0.07		
10/16/74 0705	50J1 5091		16 C 7.1 1	77	10AF			-- 0.08	-- 0.13	0.42 0.46	0.5 0.54	-- --	n.05 --	-- 0.08		
11/06/74 1140	50J1 5091		14 C 7.2 3	112	7AF			-- 0.09	-- 0.14	0.41 0.45	0.5 0.54	-- --	n.05 --	-- 0.08		
11/18/74 0955	50J1 5091		13 C 7.3 1	95	8AF			-- 0.10	-- 0.17	0.40 0.44	0.5 0.54	-- --	n.06 --	-- 0.08		
12/17/74 0930	50J1 5091		9 C 7.3 1	153	9AF			-- 0.09	-- 0.52	0.21 0.29	0.3 0.38	-- --	n.06 --	-- 0.08		
01/21/75 1250	50J1 5091		8 C 7.3 1	195	10AF		30	-- 0.12	-- 0.50	0.26 0.34	0.4 0.46	-- --	n.06 --	-- 0.10		
02/03/75 1200	50J1 5091		8 C 3	200	15AF			-- 0.13	-- 0.64	0.37 0.47	0.5 0.60	-- --	n.06 --	-- 0.10		

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD TURB CAC03 P F-C02 CAC03 T	O NO2 * NO3 T NH3	NUTRIENT O NO2 U NO3	CONSTITUENTS IN MILLIGRAMS PER LITER				O TOT P T TOT P	
									O ORG N T ORG N	O NH3 * T ORG N	O15 A.M.P04	O-P04 T-P04		
R9 0 805.1 144.3 SACRAMENTO RIVER AT EHMANOTN														
10/08/74 1040	50U1 50U1		18 3	C 3	7.8	148 16AF	-- 0.05	-- 0.14	0.15 0.23	0.2 0.28	--	0.05 --	-- 0.10	
11/20/74 0955	50U1 50U1		13 3	C 3	7.7	141 10AF	-- 0.06	-- 0.22	0.24 0.28	0.3 0.34	--	0.07 --	-- 0.10	
12/10/74 1350	50U1 50U1		10 3	C 3	7.6	133 22AF	-- 0.06	-- 0.23	0.24 0.28	0.3 0.34	--	0.05 --	-- 0.08	
01/07/75 1305	50U1 50U1		7 3	C 3	7.6	191 15AF	-- 0.08	-- 0.33	0.32 0.36	0.4 0.44	--	0.06 --	-- 0.10	
02/05/75 1220	50U1 50U1		8 3	C 3	7.3	174 39AF	-- 0.10	-- 0.29	0.40 0.50	0.5 0.60	--	0.06 --	-- 0.15	
03/19/75 0825	50U1 50S0		11 3	C 3	7.6	189 40AF	61 0.01	0.24 0.01	0.00 0.24	0.2 0.2	-- 0.21	0.05 --	-- 0.08	
04/02/75 0905	50U1 50S0		11 3	C 3	7.8	149 66AF	58 0.02	0.18 0.02	0.00 0.18	0.2 0.3	-- 0.32	0.03 --	-- 0.09	
04/22/75 1415	50U1 50S0		14 3	C 3	7.9	172 24AF	60 0.02	0.2 0.02	0.00 0.20	0.1 0.3	-- 0.32	0.05 --	-- 0.08	
05/07/75 1440	50U1 50S0		15 3	C 3	7.7	131 22AF	47 0.03	0.13 0.03	0.00 0.13	0.0 0.1	-- 0.13	0.05 --	-- 0.08	
05/21/75 1355	50U1 50S0		17 3	C 3	7.9	138 18AF	49 0.01	0.1 0.01	0.00 0.10	0.1 0.2	-- 0.21	0.04 --	-- 0.07	
06/04/75 1320	50U1 50S0		20 3	C 3	7.9	155 16AF	52 0.01	0.13 0.01	0.00 0.13	0.1 0.2	-- 0.21	0.05 --	-- 0.08	
06/18/75 1240	50U1 50S0		20 3	C 3	7.7	128 17AF	44 0.00	0.00 0.11	0.1 0.2	-- 0.2	--	0.04 --	-- 0.06	
07/02/75 1135	50U1 50S0		19 3	C 3	7.9	150 18AF	52 0.02	0.00 0.19	0.1 0.2	-- 0.22	--	0.05 --	-- 0.08	
07/16/75 1110	50U1 50S0		22 3	C 3	8.0	165 17AF	51 0.05	0.25 0.05	0.00 0.25	0.2 0.6	-- 0.65	0.06 --	-- 0.06	
08/13/75 0955	50U1 50S0		21 3	C 3	8.0	238 22AF	54 0.04	0.14 0.04	0.00 0.14	0.2 0.2	-- 0.24	0.05 --	-- 0.08	
08/26/75 0750	50U1 50S0		21 3	C 3	8.0	240 19AF	61 0.00	0.14 0.00	0.01 0.13	0.1 0.2	-- 0.2	0.08 --	-- 0.10	
09/02/75 1420	50U1 50S0		22 3	C 3	7.9	240 16AF		0.13 0.00	0.00 0.13	0.2 0.2	-- 0.2	0.07 --	-- 0.09	
09/16/75 1440	50U1 50S0		20 3	C 3	8.0	238 13AF		0.18 0.01	0.00 0.18	0.3 0.3	-- 0.31	0.06 --	-- 0.11	
R9 0 805.8 144.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND														
10/08/74 1300	50U1 50U1		19 3	C 3	8.0	151 16AF	-- 0.05	-- 0.15	0.35 0.43	0.4 0.48	--	0.05 --	-- 0.09	
11/20/74 1225	50U1 50U1		13 3	C 3	7.7	162 9AF	-- 0.06	-- 0.30	0.24 0.28	0.3 0.34	--	0.07 --	-- 0.10	
12/10/74 1650	50U1 50U1		10 3	C 3	7.6	154 16AF	-- 0.05	-- 0.24	0.15 0.19	0.2 0.24	--	0.05 --	-- 0.09	
01/07/75 1550	50U1 50U1		7 3	C 3	7.6	185 13AF	-- 0.09	-- 0.36	0.21 0.23	0.3 0.32	--	0.07 --	-- 0.10	
02/05/75 1500	50U1 50U1		8 3	C 3	7.3	193 21AF	-- 0.09	-- 0.35	0.31 0.39	0.4 0.48	--	0.07 --	-- 0.12	
03/19/75 1125	50U1 50S0		11 3	C 3	7.6	218 48AF	54 0.03	0.36 0.03	0.00 0.36	0.3 0.3	-- 0.33	0.07 --	-- 0.09	
04/02/75 1200	50U1 50S0		11 3	C 3	7.7	153 56AF	51 0.01	0.26 0.01	0.00 0.26	0.2 0.3	-- 0.31	0.05 --	-- 0.12	
04/22/75 1655	50U1 50S0		14 3	C 3	7.9	162 18AF	54 0.00	0.24 0.00	0.00 0.24	0.1 0.2	-- 0.2	0.05 --	-- 0.12	
05/07/75 1700	50U1 50S0		15 3	C 3	7.8	134 14AF	46 0.01	0.14 0.14	0.00 0.14	0.1 0.2	-- 0.21	0.05 --	-- 0.07	
05/21/75 1610	50U1 50S0		17 3	C 3	7.9	132 16AF	46 0.00	0.09 0.00	0.00 0.09	0.2 0.2	-- 0.2	0.04 --	-- 0.07	
06/04/75 1528	50U1 50S0		21 3	C 3	7.8	156 14AF	50 0.00	0.15 0.00	0.00 0.15	0.2 0.2	-- 0.2	0.05 --	-- 0.08	
06/18/75 1500	50U1 50S0		20 3	C 3	7.4	139 17AF	41 0.00	0.18 0.00	0.00 0.18	0.1 0.2	-- 0.2	0.05 --	-- 0.08	
07/02/75 1405	50U1 50S0		20 3	C 3	7.8	148 17AF	48 0.00	0.24 0.00	0.00 0.24	0.1 0.2	-- 0.2	0.05 --	-- 0.08	
07/16/75 1400	50U1 50S0		22 3	C 3	7.9	157 14AF		0.26 0.04	0.01 0.25	0.2 0.6	-- 0.64	0.06 --	-- 0.06	
08/13/75 1210	50U1 50S0		22 3	C 3	7.9	225 16AF	53 0.00	0.12 0.00	0.00 0.12	0.1 0.2	-- 0.2	0.06 --	-- 0.09	
08/26/75 1050	50U1 50S0		22 3	C 3	7.9	231 16AF	57 0.00	0.14 0.00	0.00 0.14	0.2 0.2	-- 0.2	0.07 --	-- 0.09	
09/02/75 1645	50U1 50S0		22 3	C 3	7.9	233 14AF		0.1 0.00	0.00 0.10	0.1 0.2	-- 0.2	0.06 --	-- 0.11	
09/16/75 1728	50U1 50S0		20 3	C 3	8.0	203 10AF	* 0.00	0.15 0.00	0.00 0.15	0.3 0.4	-- 0.4	0.06 --	-- 0.10	

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD TURB F-CO2 CACO3 T	P	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER									
								0 N02 + N03 T NH3	0 N03 D N03	0 ORG N T ORG N	0 INH3 + T ORG NI	0 DIS 4-NH4PO4 T	0 N-P04 T	0 TOT P			
R9 D 805.9 135.2 SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING																	
10/02/74	5001		19 C	7.5	152	12AF		--	--	0.17	0.2	--	0.05	--	--	--	
1000	5001		3					0.03	0.14	0.23	0.26	--	--	--	--	0.08	
10/08/74	5001		18 C	7.7	140	9AF		--	--	0.25	0.3	--	0.05	--	--	--	
1230	5001		3					0.05	0.15	0.33	0.38	--	--	--	--	0.09	
10/17/74	5001		18 C	7.5	130	11AF		--	--	0.05	0.1	--	0.05	--	--	--	
0950	5001		3					0.05	0.17	0.07	0.12	--	--	--	--	0.09	
11/07/74	5001		14 C	7.5	177	8AF		--	--	0.41	0.5	--	0.07	--	--	--	
1415	5001		3					0.09	0.29	0.45	0.54	--	--	--	--	0.10	
11/19/74	5001		13 C	7.6	156	9AF		--	--	0.23	0.3	--	0.06	--	--	--	
1120	5001		3					0.07	0.25	0.27	0.34	--	--	--	--	0.10	
11/20/74	5001		13 C	7.6	155	8AF		--	--	0.32	0.4	--	0.06	--	--	--	
1200	5001		3					0.08	0.26	0.36	0.44	--	--	--	--	0.10	
12/10/74	5001		10 C	7.6	173	15AF		--	--	0.15	0.2	--	0.05	--	--	--	
1610	5001		3					0.05	0.27	0.21	0.26	--	--	--	--	0.10	
01/07/75	5001		7 C	7.5	191	15AF		--	--	0.20	0.3	--	0.06	--	--	--	
1530	5001		3					0.10	0.40	0.24	0.34	--	--	--	--	0.10	
02/04/75	5001		8 C	7.9	203	11AF		--	--	0.39	0.4	--	0.07	--	--	--	
1325	5001		3					0.11	0.32	0.47	0.58	--	--	--	--	0.12	
02/05/75	5001		8 C	7.2	183	15AF		--	--	0.28	0.5	--	0.07	--	--	--	
1440	5001		3					0.12	0.30	0.34	0.46	--	--	--	--	0.12	
HY D 807.6 129.7 HOKELUMNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH																	
10/02/74	5001		19 C	7.3	114	8AF		--	--	0.06	0.1	--	0.04	--	--	--	
0820	5001		3					0.04	0.08	0.12	0.16	--	--	--	--	0.07	
10/17/74	5001		17 C	7.4	106	9AF		--	--	0.35	0.4	--	0.05	--	--	--	
0810	5001		3					0.05	0.10	0.37	0.42	--	--	--	--	0.08	
11/07/74	5001		13 C	7.4	134	8AF		--	--	0.41	0.5	--	0.06	--	--	--	
1245	5001		3					0.09	0.14	0.45	0.54	--	--	--	--	0.10	
11/19/74	5001		13 C	7.5	120	9AF		--	--	0.23	0.3	--	0.06	--	--	--	
0950	5001		3					0.07	0.14	0.31	0.36	--	--	--	--	0.10	
02/04/75	5001		8 C	7.4	176	12AF		--	--	0.36	0.5	--	0.07	--	--	--	
1145	5001		3					0.14	0.23	0.42	0.56	--	--	--	--	0.13	
03/18/75	5001		10 C	7.2		44AF	54	0.27	0.00	0.4	--	--	0.05	--	--	--	
0800	5001		3					0.03	0.27	0.4	0.43	--	--	--	--	0.10	
04/01/75	5001		10 C	7.6	122	80AF	47	0.18	0.00	0.2	--	--	0.04	--	--	--	
0810	5001		3					0.02	0.18	0.3	0.32	--	--	--	--	0.09	
04/16/75	5001		13 C	7.6	137	18AF		0.22	0.04	0.2	--	--	0.06	--	--	--	
0930	5001		3					0.03	0.18	0.2	0.23	--	--	--	--	0.07	
05/01/75	5001		15 C	7.7	146	19AF	40	0.09	0.00	0.1	--	--	0.04	--	--	--	
0840	5001		3					0.03	0.09	0.2	0.23	--	--	--	--	0.06	
05/15/75	5001		16 C	7.8	110	15AF	46	0.1	0.00	0.1	--	--	0.04	--	--	--	
0720	5001		3					0.04	0.10	0.2	0.24	--	--	--	--	0.06	
06/03/75	5001		20 C	7.5	83	12AF	28	0.07	0.00	0.2	--	--	0.03	--	--	--	
1245	5001		3					0.02	0.07	0.2	0.22	--	--	--	--	0.05	
06/17/75	5001		20 C	7.6	107	18AF	39	0.18	0.00	0.1	--	--	0.04	--	--	--	
1210	5001		3					0.00	0.18	0.2	0.2	--	--	--	--	0.06	
07/01/75	5001		20 C	7.6	140	16AF	46	0.19	0.00	0.2	--	--	0.05	--	--	--	
1150	5001		3					0.00	0.19	0.2	0.2	--	--	--	--	0.08	
07/15/75	5001		22 C	7.7	150	18AF		0.17	0.00	0.4	--	--	0.06	--	--	--	
1035	5001		3					0.00	0.17	0.4	0.4	--	--	--	--	0.09	
08/12/75	5001		22 C	7.7	143	14AF		0.12	0.00	0.2	--	--	0.05	--	--	--	
0940	5001		3					0.06	0.12	0.2	0.26	--	--	--	--	0.09	
08/25/75	5001		22 C	7.6	177	11AF		0.14	0.00	0.2	--	--	0.05	--	--	--	
0745	5001		3					0.04	0.14	0.2	0.24	--	--	--	--	0.10	
09/11/75	5001		20 C	6.0	102	10AF		0.1	0.00	0.2	--	--	0.04	--	--	--	
0955	5001		3					0.05	0.10	0.2	0.25	--	--	--	--	0.07	
09/28/75	5001		21 C		160	16AF		0.11	0.00	0.2	--	--	0.04	--	--	--	
0940	5001		3					0.04	0.11	0.2	0.24	--	--	--	--	0.09	
R9 D 809.5 124.0 SYCAMORE SLOUGH NEAR MOUTH																	
10/02/74	5001		20 C	7.5	137	8AF		--	--	0.19	0.2	--	0.03	--	--	--	
0800	5001		3					0.01	0.05	0.37	0.38	--	--	--	--	0.10	
10/17/74	5001		19 C	7.6	123	11AF		--	--	0.18	0.2	--	0.03	--	--	--	
0745	5001		3					0.02	0.02	0.36	0.38	--	--	--	--	0.10	
11/07/74	5001		14 C	7.6	111	10AF		--	--	0.27	0.3	--	0.03	--	--	--	
1220	5001		3					0.03	0.06	0.39	0.42	--	--	--	--	0.08	
11/19/74	5001		13 C	7.5	110	11AF		--	--	0.17	0.2	--	0.03	--	--	--	
0930	5001		3					0.03	0.15	0.29	0.32	--	--	--	--	0.07	
02/04/75	5001		11 C	7.3	177	12AF		--	--	0.40	0.5	--	0.05	--	--	--	
1120	5001		3					0.10	0.32	0.50	0.60	--	--	--	--	0.11	
03/18/75	5001		12 C	7.5	337	17AF	60	0.65	0.01	0.5	--	--	0.28	--	--	--	
0730	5001		3					0.89	0.04	0.7	1.59	--	--	--	--	0.30	
04/01/75	5001		11 C	7.9	264	19AF	94	0.78	0.02	0.8	--	--	0.27	--	--	--	
0750	5001		3					1.1	0.76	1.0	2.1	--	--	--	--	0.42	
04/16/75	5001		13 C	7.5	269	14AF		0.78	0.05	0.5	--	--	0.22	--	--	--	
0705	5001		3					0.52	0.73	0.8	1.32	--	--	--	--	0.29	

DATE TIME	SAMP LAB	G.M. DISCH	TEMP DEPTH	FIELD				NUTRIENT		CONSTITUENTS IN MILLIGRAMS				PFA LITR	D TOT P																
				F-PH LAB	F-EC EC	TURB F-CO2	CAC03 CAC03	P T	O NO2 + NO3 T NM3	O NO2 D NO3	O DRP N T DRP N	O DRP D T DRP D	O NH3 + D NH3			O N-PO4 A, N-PO4	O N-PO4 T N-PO4	O TOT P T TOT P													
89 D 808.5 124.0 SYCAMORE SLOUGH NEAR MOUTH																CONTINUED															
05/01/75 0810	5050		16	C	8.5	135	16AF	47	0.15 0.00	0.00 0.15	0.2 0.6	-- 0.6	--	0.05	--	0.13															
05/15/75 0650	5050		17	C	7.8	93	12AF	34	0.1 0.00	0.00 0.00	0.1 0.1	-- 0.1	--	0.02	--	0.06															
06/03/75 1215	5050		21	C	8.0	85	17AF	30	0.07 0.00	0.00 0.02	0.3 0.4	-- 0.4	--	0.03	--	0.08															
06/17/75 1145	5050		21	C	7.8	90	13AF	34	0.01 0.00	0.00 0.01	0.2 0.3	-- 0.3	--	0.02	--	0.06															
07/01/75 1125	5050		21	C	8.0	100	11AF	35	0.0 0.0	0.00 0.00	0.2 0.2	-- 0.2	--	0.02	--	0.06															
07/15/75 1005	5050		22	C	7.9	125	12AF		0 0.00	0.00 0.04	0.2 0.3	-- 0.3	--	0.02	--	0.06															
08/12/75 0845	5050		23	C	7.6	126	12AF	46	0.02 0.02	0.00 0.02	0.3 0.3	-- 0.32	--	0.04	--	0.09															
08/25/75 0720	5050		23	C	7.6	134	9AF		0.04 0.01	0.00 0.04	0.4 0.4	-- 0.4	--	0.04	--	0.08															
09/11/75 0930	5050		22	C	8.0	158	11AF		0.02 0.00	0.00 0.02	0.4 0.5	-- 0.5	--	0.04	--	0.08															
09/25/75 0910	5050		22	C		155	18AF		0.01 0.00	0.00 0.01	0.4 0.4	-- 0.4	--	0.02	--	0.09															
89 D 808.7 133.4 POKELUNNE RIVER, NORTH FORK, AT ROAD0 SLOUGH																															
10/02/74 0850	5050		18	C	7.4	118	11AF		-- 0.12	-- 0.09	0.08 0.12	0.2 0.24	--	0.05	--	0.09															
10/17/74 0840	5050		17	C	7.5	114	11AF		-- 0.12	-- 0.09	-- 0.0	-- --	--	0.06	--	0.10															
11/07/74 1310	5050		13	C	7.5	118	9AF		-- 0.14	-- 0.15	-- 0.0	-- 0.6	--	0.08	--	0.12															
11/19/74 1050	5050		12	C	7.7	113	9AF		-- 0.10	-- 0.12	0.20 0.24	0.3 0.34	--	0.06	--	0.10															
02/04/75 1220	5050		8	C	7.6	195	80AF		-- 0.11	-- 0.36	0.39 0.59	0.5 0.70	--	0.07	--	0.22															
89 D 809.0 135.8 GEORGIANA SLOUGH NEAR ISLET0N																															
10/02/74 0920	5050		18	C	7.4	121	14AF		-- 0.11	-- 0.09	0.09 0.13	0.2 0.24	--	0.05	--	0.10															
10/17/74 0910	5050		17	C	7.5	109	10AF		-- 0.08	-- 0.09	0.04 0.12	0.1 0.18	--	0.06	--	0.09															
11/07/74 1335	5050		13	C	7.5	117	8AF		-- 0.15	-- 0.14	0.35 0.39	0.5 0.54	--	0.08	--	0.11															
11/19/74 1045	5050		13	C	7.7	113	10AF		-- 0.10	-- 0.12	0.30 0.36	0.4 0.46	--	0.07	--	0.10															
02/04/75 1250	5050		8	C	7.7	148	132AF	47	-- 0.09	-- 0.33	0.61 0.97	0.7 1.06	--	0.06	--	0.28															
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																															
10/08/74 1100	5050		17	C	7.9	117	10AF		-- 0.09	-- 0.13	0.21 0.25	0.3 0.34	--	0.05	--	0.09															
11/20/74 1025	5050		13	C	7.7	122	7AF		-- 0.08	-- 0.15	0.22 0.28	0.3 0.36	--	0.07	--	0.10															
12/10/74 1420	5050		10	C	7.6	141	21AF		-- 0.07	-- 0.21	0.13 0.17	0.2 0.24	--	0.05	--	0.08															

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD				NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER				O.TOT P	
						TURB F-CO2	CAO3 T	D.N02 + N03 T NH3	O.N03	O.DRB N T DRB N	O.NH3 + T DRB N	O.DIS T DRB N	O.NH4 + T DRB N		
BY D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE															
CONTINUED															
08/26/75 0830	5001 5050		22 C 7.8 3	169	114F		64	0.11 0.03	0.00 0.11	0.0 0.2	0.23		0.06 --	-- 0.11	
09/22/75 1450	5001 5050		21 C 7.9 3	198	114F			0.1 0.01	0.00 0.10	0.2 0.2	0.21	--	0.06 --	-- 0.07	
09/16/75 1505	5001 5050		20 C 7.9 3	197	84F			0.13 0.03	0.00 0.13	0.2 0.2	0.23	--	0.07 --	-- 0.10	
BY D 814.5 133.2 SACRAMENTO RIVER NEAR RYDE															
10/03/74 0740	5001 5001		17 C 7.4 3	102	94F			-- 0.09	-- 0.09	0.21 0.25	0.3 0.34	--	0.07 --	-- 0.08	
10/17/74 0730	5001 5001		16 C 7.4 3	100	84F			-- 0.13	-- 0.10	0.17 0.19	0.3 0.32	--	0.06 --	-- 0.09	
11/07/74 1245	5001 5001		13 C 7.1 3	110	84F			-- 0.17	-- 0.14	0.33 0.37	0.5 0.54	--	0.08 --	-- 0.12	
11/19/74 1035	5001 5001		13 C 7.3 3	110	74F			-- 0.11	-- 0.12	0.39 0.43	0.5 0.54	--	0.07 --	-- 0.10	
12/18/74 1000	5001 5001		10 C 7.5 3	119	74F			-- 0.09	-- 0.15	0.11 --	0.2 --	--	0.06 --	-- 0.10	
01/22/75 1310	5001 5001		8 C 7.5 3	100	84F		57	-- 0.14	-- 0.21	0.26 0.32	0.4 0.46	--	0.08 --	-- 0.12	
02/04/75 1235	5001 5001		8 C 7.5 3	110	1404F		43	-- 0.12	-- 0.34	1.08 1.54	1.2 1.66	--	0.06 --	-- 0.34	
BY D 815.3 126.3 MORELUMNE RIVER NEAR THORNTON															
10/02/74 0625	5001 5001		18 C 7.1 3	41	24F			-- 0.01	-- 0.02	0.19 --	0.2 --	--	0.01 --	-- 0.03	
10/16/74 0815	5001 5001		15 C 6.7 3	38	34F			-- 0.01	-- 0.03	0.39 0.45	0.4 0.46	--	0.02 --	-- 0.03	
11/06/74 1050	5001 5001		14 C 6.7 3	35	44F			-- 0.02	-- 0.09	0.18 0.22	0.2 0.24	--	0.01 --	-- 0.02	
11/18/74 0900	5001 5001		13 C 7.1 3	42	54F			-- 0.01	-- 0.03	0.29 0.33	0.3 0.34	--	0.02 --	-- 0.02	
12/17/74 0835	5001 5001		9 C 7.2 3	81	34F			-- 0.02	-- 0.02	0.18 --	0.2 --	--	0.02 --	-- 0.02	
01/21/75 1150	5001 5001		8 C 7.1 3	99	64F			-- 0.01	-- 0.07	0.19 0.23	0.2 0.24	--	0.01 --	-- 0.03	
02/03/75 1045	5001 5001		8 C 3	148	2644F			-- 0.09	-- 0.19	1.11 1.43	1.2 1.52	--	0.03 --	-- 0.22	
03/18/75 1305	5001 5050		12 C 7.3 3	130	274F		47	0.14 0.00	0.00 0.14	0.3 0.4	0.4 --	--	0.03 --	-- 0.07	
04/01/75 1440	5001 5050		12 C 7.3 3	84	154F		30	0.07 0.00	0.00 0.07	0.2 0.2	0.2 --	--	0.01 --	-- 0.03	
04/18/75 1020	5001 5050		11 C 7.2 3	66	64F		29	0.02 0.01	0.00 0.02	0.1 0.1	0.11 --	--	0.01 --	-- 0.03	
05/01/75 0900	5001 5050		13 C 7.1 3	45	44F			0.02 0.00	0.00 0.02	0.2 0.2	0.2 0.2	--	0.01 --	-- 0.02	
05/15/75 0730	5001 5050		15 C 6.8 3	57	114F		24	0.01 0.00	0.00 0.01	0.1 0.1	0.1 --	--	0.02 --	-- 0.03	
06/03/75 1250	5001 5050		19 C 7.0 3	48	124F		17	0.02 0.00	0.00 0.02	0.2 0.2	0.2 0.2	--	0.02 --	-- 0.03	
06/17/75 1150	5001 5050		18 C 7.1 3	49	54F		16	0.03 0.00	0.00 0.03	0.1 0.1	-- 0.1	--	0.01 --	-- 0.03	
07/01/75 1105	5001 5050		17 C 7.3 3	51	34F		18	0.03 0.01	0.00 0.03	0.2 0.2	0.21 --	--	0.01 --	-- 0.03	
07/15/75 1025	5001 5050		20 C 7.3 3	57	74F		22	0.02 0.00	0.00 0.02	0.0 0.0	0.2 0.2	--	0.00 --	-- 0.03	
08/12/75 1005	5001 5050		21.0C 6.3 3	51	54F			0.02 0.03	0.00 0.02	0.2 0.2	0.23 --	--	0.01 --	-- 0.04	
08/26/75 1435	5001 5050		20 C 7.1 3	58	54F			0.02 0.00	0.00 0.02	0.2 0.2	0.2 0.2	--	0.00 --	-- 0.02	
09/11/75 0915	5001 5050		18 C 7.2 3	48	44F			0.02 0.00	0.00 0.02	0.1 0.1	-- 0.1	--	0.00 --	-- 0.02	
09/25/75 0910	5001 5050		17 C 6.9 3	51	34F			0.01 0.00	0.00 0.01	0.1 0.1	-- 0.1	--	0.01 --	-- 0.03	
BY D 820.7 137.7 SACRAMENTO RIVER AT GREENES LANDING															
10/03/74 0650	5001 5001		17 C 7.2 3	105	74F			-- 0.11	-- 0.09	0.29 0.37	0.4 0.48	--	0.07 --	-- 0.09	
10/17/74 0655	5001 5001		16 C 7.2 3	102	84F			-- 0.13	-- 0.13	0.17 0.19	0.3 0.32	--	0.07 --	-- 0.10	
11/07/74 1200	5001 5001		13 C 6.9 3	119	84F			-- 0.15	-- 0.14	0.45 0.49	0.6 0.64	--	0.09 --	-- 0.10	
11/19/74 0955	5001 5001		13 C 6.9 3	100	94F			-- 0.13	-- 0.11	0.47 0.53	0.6 0.66	--	0.07 --	-- 0.10	
12/18/74 0915	5001 5001		9 C 7.4 3	122	84F			-- 0.13	-- 0.16	0.17 0.21	0.3 0.34	--	0.07 --	-- 0.10	

TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH	TEMP DEPTH	F-PH	F-EC LAB EC	FIELD			D NO2 T NH3	D NO3 T NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER										D TOT P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
						TURB	CAC03	P			D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3		D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D 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NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3	D NH3



TABLE D-5 (CONTINUED)  
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD			NUTRIENT			CONSTITUENTS IN MILLIGRAMS PER LITER			O TOT P		
						TURB CAC03 P CAC03 T	O NO2 + NO3 T NH3	D NO2 U NO3	O ORG N T ORG N	O NH3 + T ORG N	O IS A.M.P04	O N-PO4 T N-PO4	O TOT P T TOT P				
*****																	
67 L 856.3 002.3 LAKE TAMOE AT CAMP RICHARDSON - EDWARDS PIER (S-4A)																	
05/14/75	5020		8.2C	7.4	76	0.16A			0.004	0.000	--	--		0.0027	--		
0940	5020		1		91				0.025	0.004	0.04	0.065	--	--	0.0065		
07 L 857.0 958.0 2 LAKE TAMOE AT SURF AND SANDS PIER (S-10)																	
05/14/75	5020		9.3C	7.4	85	0.82A			0.0073	0.003	--	--		0.0028	--		
1105	5020		1		89				0.006	0.007	0.07	0.076	--	--	0.0123		
67 L 857.6 957.1 LAKE TAMOE AT STATELINE - LAKESTIDE MARINA PIER (S-13)																	
05/14/75	5020		9.4C	7.5	90	0.76A			0.001	0.000	--	--		0.0054	--		
1220	5020		1		92				0.006	0.001	0.09	0.096	--	--	0.0145		
67 L 900.0 000.0 LAKE TAMOE - SOUTH CENTER (C-1)																	
05/14/75	5020		9.3C	7.7	90	0.38A			0.001	0.000	--	--		0.0036	--		
1120	5020		1		94				0.011	0.001	0.09	0.101	--	--	0.0078		
67 L 900.4 456.9 LAKE TAMOE AT ZEPHYR COVE PIER (S-8)																	
05/14/75	5020		9.4C	7.4	90	0.48A			0.004	0.004	--	--		0.0024	--		
1310	5020		1		93				0.014	0.006	0.12	0.134	--	--	0.0046		
67 L 900.9 006.8 2 LAKE TAMOE AT RUMICON HAY PIER (S-2)																	
05/14/75	5020		8.4C	7.4	79	0.58A			0.004	0.000	--	--		0.0017	--		
0840	5020		1		93				0.025	0.004	0.06	0.065	--	--	0.0023		
67 L 905.3 956.4 LAKE TAMOE AT GLENHROCK HAY PIER (S-3)																	
05/14/75	5020		9.0C	7.5	96	0.81A			0.004	0.000	--	--		0.0046	--		
1150	5020		1		102				0.007	0.008	0.12	0.127	--	--	0.0116		
67 L 907.8 009.2 LAKE TAMOE AT WARD CREEK PIER (S-11)																	
05/14/75	5020		6.6C	7.4	88	0.21A			0.005	0.000	--	--		0.0014	--		
0700	5020		1		94				0.012	0.005	0.07	0.082	--	--	0.0044		
67 L 908.7 000.3 LAKE TAMOE - NORTH CENTER (C-2)																	
05/14/75	5020		9.4C	7.7	99	0.37A			0.004	0.000	--	--		0.0024	--		
0805	5020		1		94				0.010	0.004	0.10	0.11	--	--	0.0068		
67 L 910.8 007.1 2 LAKE TAMOE AT US COAST GUARD PIER (S-5)																	
05/14/75	5020		6.8C	7.4	85	1.10A			0.015	0.000	--	--		0.0103	--		
0755	5020		1		88				0.019	0.015	0.09	0.109	--	--	0.0111		
67 L 911.9 004.9 LAKE TAMOE AT CANNELIAN HAY - SIERRA HOAT CO (S-14)																	
05/14/75	5020		8.9C	7.5	90	0.41A			0.003	0.003	--	--		0.0028	--		
0840	5020		1		95				0.001	0.005	0.11	1.101	--	--	0.0063		
67 L 914.7 002.3 LAKE TAMOE AT KINGS HEACH PIER (S-7)																	
05/14/75	5020		8.6C	7.5	90	0.54A			0.006	0.000	--	--		0.0021	--		
0920	5020		1		94				0.004	0.005	0.08	0.084	--	--	0.0041		
67 L 914.2 956.6 LAKE TAMOE AT KINGS CASTLE PIER (S-4)																	
05/14/75	5020		9.2C	7.5	86	0.53A			0.0043	0.003	--	--		0.0040	--		
1020	5020		1		94				0.070	0.004	0.06	0.13	--	--	0.0120		
67 3220.01 HURTON CREEK IN STAR HARBOR (T-4)																	
05/07/75	5020		3.2C	7.3	100	3.54			0.054	0.000	--	--		0.0370	--		
1040	5020				99				0.025	0.054	0.07	0.095	--	--	0.0051		
67 3050.01 WARD CREEK NEAR MOUTH (T-5)																	
05/07/75	5020		4.41	2.9C	7.3	60	0.87A		0.034	0.000	--	--		0.0140	--		
0937	5020				59				0.004	0.034	0.09	0.094	--	--	0.017		
67 3180.01 MADDEN CREEK NEAR MOUTH (T-10)																	
05/07/75	5020		0.70	2.1C	7.3	54	0.234		0.196	0.000	--	--		0.0144	--		
0905	5020				56				0.021	0.196	0.03	0.051	--	--	0.016		
67 3240.01 THIRD CREEK NEAR MOUTH (T-6)																	
05/07/75	5020		2.3	6.3C	6.9	40	4.5A		0.034	0.000	--	--		0.0403	--		
1051	5020		8.0		93				0.002	0.034	0.11	0.112	--	--	0.0058		
67 3253.01 INCLINE CREEK AT INCLINE VILLAGE (T-2)																	
05/07/75	5020		1.8	5.3C	7.2	75	8.5A		0.1203	0.003	--	--		0.0312	--		
1030	5020		12.0		84				0.071	0.120	0.06	0.131	--	--	0.0055		
67 3300.01 GENERAL CREEK NEAR HEEKS BAY (T-3)																	
05/07/75	5020		0.41	1.6C	7.3	32	0.24A		0.029	0.000	--	--		0.0112	--		
0825	5020		17.0		33				0.013	0.029	0.14	0.153	--	--	0.013		
67 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)																	
05/07/75	5020		3.2C	7.4	26	0.40A			0.007	0.000	--	--		0.0040	--		
0725	5020		40.0		27				0.025	0.007	0.06	0.085	--	--	0.004		
67 3674.90 EDGEWOOD CREEK AT MOUTH (T-7A)																	
05/07/75	5020		8.0	6.7C	8.3	111	5.5A		0.0872	0.002	--	--		0.0874	--		
0840	5020				141				0.013	0.085	0.19	0.203	--	--	0.0096		

DATE TIME	SAMP LAB	G.M. O15CM	TEMP DEPTH	F-PH LAB EC	F-EC F-CO2	FIELD				NUTRIENT CONSTITUENTS IN MILLIGRAMS								PFR LITR O N=PO4	O TOT P T TOT P	
						TURB CACO3	P T	O NO2 + NO3 T NM3	O NO2 O NO3	D ONG N T ONG N	O NH4 + T ONG N	O15 A.N.P.O4								
G7 3680.00 EDGEWOOD CREEK AT HIGHWAY 50 (T-7)																				
05/07/75	5090	1.68	3.3C	7.3	110	4.0A			0.1074	0.0004	--	--		0.0326	--					
0915	5090	8.0			134			0.0007	0.107	0.13	0.137	--	--	0.047						
G7 3705.01 UPPER TRUCKEE RIVER NEAR MOUTH (T-1)																				
05/07/75	5090		1.5C	6.8	25	2.0A			0.1074	0.0004	--	--		0.0164	--					
0715	5090	58.0			62			0.012	0.107	0.24	0.252	--	--	0.037						
G7 3810.00 TROUT CREEK AT SOUTH LAKE TAMHO (T-9)																				
05/07/75	5090	1.68	1.9C	6.9	50	4.0A			0.1082	0.0002	--	--		0.0328	--					
0800	5090	25			61			0.028	0.108	0.08	0.108	--	--	0.038						

## TABLE D-6

## PESTICIDES IN SURFACE WATER

Sampler and Lab Agency Codes

2163	-	California Department of Water Resources for SWRCB
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
EC	-	Electrical conductance in micromhos at 25°C
DO	-	Dissolved oxygen content in milligrams per liter
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
DEPTH	-	Depth in feet at which sample was collected
DISCHARGE	-	Instantaneous discharge in cubic feet per second

PesticidesChlorinated Hydrocarbons

<u>Code</u>		<u>Most Common Name</u>
ATRAZSIMAZ	-	Atrazine and/or Simazine
DACTHAL	-	Dacthal
PCB 1254	-	PCB 1254, Arochlor 1254
UNKNOWN	-	Complex chlorinated compound mixture as (Reported as DDT), one or more
NONE DETECTED	-	No detectable amount of Chlorinated Hydrocarbons

Organic Phosphorus

DIAZINON	-	Diazinon
PARATHION	-	Parathion
NONE DETECTED	-	No detectable amount of organic phosphorus

TABLE D-6 (CONTINUED)

DATE TIME	SAMP LAB	TEMP EC	DO PH	G.M. DEP DISCHARGE	PESTICIDES IN SURFACE WATER COMPOUNDS REPORTED IN MILLIGRAMS/LITER			OTHER
					CHLORINATED	HYDROCARBON	ORGANIC PHOSPHORUS	
AU 2170.00					SACRAMENTO RIVER AT FREMONT WEIR, WEST END			
10/16/74 1000	5r50 5050	61 117	F 7.4	9.6 18.66	NONE	DETECTED		
11/20/74 1115	5r50 5050	57.5F 123	10.2 7.4	21.41	.00004	UNKNOWN		
12/18/74 1115	5r50 5050	56 146	F 7.4	10.7 20.10	NONE	DETECTED		
01/15/75 1145	5r50 5050	47 168	F 7.4	11.4 18.46	.00014	UNKNOWN		
02/19/75 1100	5r50 5050	47 142	F 7.3	11.0	.00003	UNKNOWN		
03/19/75 0930	5r50 5050	40 150	F 7.4	10.4 29.89	.00005	UNKNOWN		
04/16/75 1000	5r50 5050	55 140	F 7.4	9.9 23.15	NONE	DETECTED		
05/21/75 0930	5r50 5050	60.0F 135	9.2 7.4	25.76	.00002	UNKNOWN		
06/18/75 1015	5r50 5050	60.0F 135	8.8 7.4	19.69	NONE	DETECTED		
07/16/75 1045	5r50 5050	69 177	F 7.4	8.9 17.9	NONE	DETECTED		
08/20/75 0930	5r50 5050	66.0F 180	8.7 7.6	19.11	NONE	DETECTED		
09/17/75 1130	5r50 5050	71 218	F 7.4	8.1 19.43	NONE	DETECTED		
AO 2230.02					SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN			
04/23/75 1315	5r50 5050	15.0C 6.0	9.9 22.51		NONE	DETECTED	NONE	DETECTED
AO 2785.00					SACRAMENTO RIVER AT BEND BRIDGE			
05/21/75 1320	5r50 5050	12.0C 10.8	22.21		NONE	DETECTED	.00002	PARATHION
AO 2933.00					R-D 108 DRAINAGE TO SACRAMENTO RIVER			
04/23/75 1200	5r50 5050	16.0C 8.4	11.4		.00015	ATRAZIN	NONE	DETECTED
AO 2947.10					COLUSA BASIN DRAIN NEAR KNIGHTS LANDING			
04/23/75 1045	5r50 5050	16.0C 8.2	8.7 23.88		NONE	DETECTED	.000005	DIAZINON
AO 2985.00					R-D 70 DRAINAGE TO SACRAMENTO RIVER			
04/23/75 1130	5r50 5050	15.0C 8.0	8.7		.00045	ATRAZIN	.000015	DIAZINON
AO 2972.00					BUTTE SLOUGH NEAR MERIDIAN			
04/23/75 1045	5r50 5050	15.0C 7.4	8.1		NONE	DETECTED	NONE	DETECTED
AO 7140.10					AMERICAN RIVER AT SACRAMENTO WATER PLANT			
04/22/75 0815	2103 5r50	51.5F 66	10.8 7.1	4594	.00004	UNKNOWN		
07/22/75 0930	2103 5r50	63.0F 48	10.2 7.0	2892	NONE	DETECTED		
AO 7189.00					AMERICAN RIVER BELOW NIMBUS DAM			
04/22/75 0945	2103 5r50	51.5F 64	11.1 7.2	4445	NONE	DETECTED		
07/22/75 0800	2103 5r50	61.0F 43	9.8 7.0	7.66	NONE	DETECTED		
AJ 1604.00					PIT RIVER NEAR CANBY			
05/06/75 1400	5r50 5050	9.0C 10.3	4.31		NONE	DETECTED	NONE	DETECTED
AJ 1250.00					STONY CREEK NEAR FRUTO			
04/22/75 1100	5r50 5050	13.0C 8.3	10.2		NONE	DETECTED	NONE	DETECTED
AB 1350.00					CACHE CREEK NEAR LOWER LAKE			
04/17/75 0910	5r50 5050	12.0C 8.3	10.0 8.3	3.07	NONE	DETECTED	NONE	DETECTED
AG 7000.00					SAN JOAQUIN RIVER NEAR VERMILION			
11/21/74 0900	5r50 5050	13.0C 310	8.4 7.3	13.35	NONE	DETECTED	NONE	DETECTED
01/21/75 1600	5r50 5050	10 645	9.8 7.5	17.46	1	NONE	DETECTED	
05/01/75 1235	5r50 5050	10 7.2	8.9 7.4	17.14	1	NONE	DETECTED	
09/11/75 1410	5r50 5050	22 471	7.9 7.8	12.16	1	.00005	UNKNOWN	

TABLE D-6 (CONTINUED)

PESTICIDES IN SURFACE WATER COMPOUNDS REPORTED IN MILLIGRAMS/LITER										
DATE TIME	SAMP LAB	TEMP EC	OD PH	G.M. DEP DISCHARGE	CHLORINATED HYDROCARBON	ORGANIC PHOSPHORUS	OTHER			
H9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSVALE BRIDGE										
10/21/74 1040	5090 5090	62 F 500	8.6 7.3	3.14	.000025	UNKNOWN				
12/17/74 1100	5090 5090	57 F 395	9.3 7.2		NONE	DETECTED				
01/15/75 1400	5090 5090	50 F 301	10.4 7.2		NONE	DETECTED				
02/21/75 1200	5090 5090	49 F 362	10.2 7.3		.000025	UNKNOWN				
03/27/75 1200	5090 5090	54 F 322	9.7 7.3	6.05	.00004	ATRAZINAMZ				
04/21/75 0930	5090 5090	63 F 585	8.8 7.4	2.90	.000015	ATRAZINAMZ	.000005	UNKNOWN		
05/28/75 1000	5090 5090	61.0 F 309	9.2 7.5	4.72	.00002	DACHTAL				
06/25/75 0845	5090 5090	69 F 480	9.2 7.4		.00003	DACHTAL				
07/10/75 0930	2163 5090	76.0 F 740	10.8 8.0	2.06	.000045	UNKNOWN				
08/10/75 1400	5090 5090	73.0 F 620	7.7 7.6		.000035	DACHTAL	.0002	PCP1254		
09/19/75 1100	5090 5090	70 F 415	6.8 7.4		.0009	ATRAZINAMZ				
H9 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREARY										
01/22/75 1615	5091 5090	7 C 432	9.6 7.2		1	NONE	DETECTED			
05/01/75 1225	5091 5090	16 C 233	9.1 7.7		1	NONE	DETECTED			
09/11/75 1335	5091 5090	23 C 221	7.6 8.5		1	NONE	DETECTED			
H9 D 758.7 122.4 SAN JOAQUIN RIVER AT RUCKLEY COVE										
02/03/75 1225	5091 5090	9 C 508	11.1 7.4		1	.00003	UNKNOWN			
05/01/75 0955	5091 5090	17 C 549	9.9 8.1		1	.000015	ATRAZINAMZ	.000045	UNKNOWN	
09/11/75 1100	5091 5090	24 C 620	5.0 8.2		1	.000075	UNKNOWN			
H9 D 801.1 142.6 BIG BREAK NEAR OAKLEY										
01/08/75 1425	5091 5090	8 C 231	11.3 7.9		1	NONE	DETECTED			
05/08/75 1625	5091 5090	18 C 143	11.0 8.8		1	NONE	DETECTED			
09/03/75 1725	5091 5090	25 C 258	9.6 8.3		1	NONE	DETECTED			
H9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIUCH SHIP CHANNEL										
01/08/75 1355	5091 5090	6 C 273	11.5 7.8		1	NONE	DETECTED			
05/08/75 1655	5091 5090	16 C 166	10.1 8.1		1	.000015	UNKNOWN			
09/03/75 1640	5091 5090	27 C 527	7.4 7.8		1	.00004	UNKNOWN			
H9 D 802.6 136.8 FRANKS TRACT NEAR HUSSOS LANDING										
01/07/75 1445	5091 5090	7 C 209	11.2 7.6		1	NONE	DETECTED			
05/07/75 1610	5091 5090	17 C 139	10.5 8.2		1	NONE	DETECTED			
09/02/75 1550	5091 5090	24 C 230	10.2 8.5		1	NONE	DETECTED			
H9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT										
01/07/75 1420	5091 5090	7 C 230	11.0 7.7		1	NONE	DETECTED			
05/07/75 1550	5091 5090	16 C 143	10.0 8.0		1	NONE	DETECTED			
09/02/75 1530	5091 5090	22 C 270	8.2 8.0		1	NONE	DETECTED			
H9 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO										
01/07/75 1215	5091 5090	7 C 344	11.0 7.2		1	NONE	DETECTED			
05/07/75 1345	5091 5090	16 C 140	9.4 7.8		1	NONE	DETECTED			
09/02/75 1345	5091 5090	22 C 190	8.0 7.9		1	NONE	DETECTED			

TABLE D-6 (CONTINUED)									
PESTICIDES IN SURFACE WATER									
COMPOUNDS REPORTED IN MILLIGRAMS/LITER									
CHLORINATED HYDROCARBON									
ORGANIC PHOSPHORUS									
OTHER									
DATE TIME	SAMP LAH	TEMP EC	DD PH	G.M. DEP DISCHARGE					
89 D 804.7 134.0					SAN JOAQUIN RIVER AT POTATO POINT				
01/07/75 1510	5001 5050	7 C 193	11.2 7.6	1	NONE	DETECTED			
05/07/75 1630	5001 5050	15 C 122	9.6 7.7	1	NONE	DETECTED			
09/02/75 1615	5001 5050	22 C 160	8.2 7.8	1	NONE	DETECTED			
89 D 805.1 144.3					SACRAMENTO RIVER AT ENMATHO				
01/07/75 1305	5001 5050	7 C 191	10.8 7.6	1	NONE	DETECTED			
05/07/75 1440	5001 5050	15 C 131	9.6 7.7	1	NONE	DETECTED			
09/02/75 1420	5001 5050	22 C 240	8.5 7.9	1	NONE	DETECTED			
89 D 809.4 141.0					SACRAMENTO RIVER BELOW RIO VISTA BRIDGE				
01/07/75 1330	5001 5050	7 C 178	11.4 7.6	1	NONE	DETECTED			
05/07/75 1505	5001 5050	15 C 130	9.5 7.7	1	NONE	DETECTED			
09/02/75 1450	5001 5050	21 C 198	8.5 7.9	1	NONE	DETECTED			
89 D 815.3 126.3					MOKELUNNE RIVER NEAR THORNTON				
01/21/75 1150	5001 5050	8 C 99	11.1 7.1	1	000025	UNKNOWN			
05/01/75 0900	5001 5050	13 C 49	10.2 7.1	1	NONE	DETECTED			
09/11/75 0915	5001 5050	18 C 48	9.2 7.2	1	NONE	DETECTED			
89 D 820.7 132.7					SACRAMENTO RIVER AT GREENES LANDING				
10/16/74 1200	5050 5050	62 F 108	9.4 7.3		NONE	DETECTED			
11/20/74 1300	5050 5050	55 F 103	9.8 7.3		00004	UNKNOWN			
12/18/74 1300	5050 5050	50 F 125	10.5 7.3		NONE	DETECTED			
01/15/75 1345	5050 5050	47 F 132	11.0 7.2		000065	UNKNOWN			
01/22/75 1225	5001 5050	8 C 202	10.8 7.5	1	NONE	DETECTED			
02/19/75 1220	5050 5050	47.5F 126	10.8 7.2		00002	UNKNOWN			
03/19/75 1100	5150 5050	51 F 133	10.6 7.4		NONE	DETECTED			
04/16/75 1200	5050 5050	55 F 133	10.0 7.3		NONE	DETECTED			
05/01/75 0800	5001 5050	14 C 117	10.1 7.5	1	NONE	DETECTED			
05/21/75 1200	5050 5050	61.0F 122	9.1 7.4		NONE	DETECTED			
06/18/75 1245	5050 5050	67.0F 136	9.1 7.4		00003	UNKNOWN			
07/16/75 1230	5050 5050	71 F 117	9.6 7.5		NONE	DETECTED			
08/20/75 1200	5050 5050	68.0F 144	8.0 7.3		NONE	DETECTED			
09/11/75 0805	5001 5050	20 C 187	7.8 7.5	1	NONE	DETECTED			
09/17/75 1330	5050 5050	69 F 163	7.6 7.4		NONE	DETECTED			
64 1590.01					SUSAN RIVER NEAR LITCHFIELD				
05/07/75 0805	5050 5050	9.0C 144	9.2 7.8		NONE	DETECTED	NONE	DETECTED	

TABLE D- 7 (Cont.)

## DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 2170.00 SACRAMENTO RIVER AT FREMONT MEIR, WEST END  
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	56	55	52	51	42	42	45	44	53	52	53	52	59	58	68	67	NR	NR	NR	NR	67	66
2	NR	NR	55	54	NR	NR	44	42	45	44	53	52	53	52	59	59	68	67	NR	NR	NR	NR	68	66
3	NR	NR	54	53	NR	NR	44	43	45	44	53	53	53	53	59	58	67	66	NR	NR	NR	NR	68	66
4	NR	NR	54	53	NR	NR	45	44	45	44	53	53	NR	NR	58	58	66	66	NR	NR	NR	NR	68	66
5	NR	NR	54	54	NR	NR	45	44	45	45	54	53	NR	NR	58	57	67	66	NR	NR	NR	NR	69	67
6	NR	NR	55	54	NR	NR	45	45	46	45	54	52	NR	NR	57	56	68	67	NR	NR	NR	NR	69	67
7	NR	NR	55	54	52	51	47	45	46	46	53	52	NR	NR	58	57	68	67	NR	NR	NR	NR	70	68
8	NR	NR	54	54	52	51	48	47	48	46	53	52	NR	NR	58	57	69	68	NR	NR	NR	NR	70	69
9	NR	NR	54	54	51	51	48	47	49	48	53	52	NR	NR	59	58	68	67	NR	NR	NR	NR	71	70
10	NR	NR	54	53	51	50	46	46	50	49	52	52	NR	NR	60	59	68	67	NR	NR	NR	NR	71	69
11	NR	NR	54	53	50	50	46	45	50	50	52	51	NR	NR	60	59	68	67	NR	NR	NR	NR	69	68
12	NR	NR	54	53	50	49	46	44	50	49	51	51	NR	NR	61	59	68	67	NR	NR	NR	NR	68	68
13	NR	NR	54	53	50	50	46	45	50	49	52	50	NR	NR	61	60	68	67	NR	NR	NR	NR	68	67
14	NR	NR	55	54	50	50	46	45	50	49	51	50	NR	NR	62	61	69	68	NR	NR	NR	NR	69	68
15	NR	NR	55	54	50	50	47	46	49	49	50	50	NR	NR	62	61	69	67	NR	NR	NR	NR	70	69
16	NR	NR	55	54	50	50	48	47	49	48	50	50	55	55	62	61	69	67	NR	NR	NR	NR	70	69
17	NR	NR	55	54	51	50	48	48	48	47	50	50	55	53	62	61	68	67	NR	NR	NR	NR	69	69
18	NR	NR	55	54	50	50	48	48	47	46	50	48	55	53	63	62	68	66	NR	NR	NR	NR	70	69
19	61	60	55	54	50	49	48	48	47	47	50	49	56	55	64	63	66	64	NR	NR	NR	NR	69	68
20	60	60	54	53	49	49	48	48	48	47	50	50	57	56	63	61	66	64	NR	NR	NR	NR	68	67
21	60	59	54	53	49	48	49	48	48	47	50	50	59	57	61	60	66	63	NR	NR	68	66	68	67
22	59	57	54	53	48	47	49	49	47	46	50	49	NR	NR	60	59	67	65	NR	NR	70	67	NR	NR
23	57	56	52	52	46	45	48	47	47	46	50	48	NR	NR	61	60	67	66	NR	NR	70	67	NR	NR
24	57	56	53	52	46	45	50	49	48	46	48	47	NR	NR	63	62	67	65	NR	NR	71	69	NR	NR
25	57	56	52	52	45	44	50	49	49	48	50	48	NR	NR	63	63	68	64	NR	NR	71	69	NR	NR
26	57	56	52	51	45	44	50	49	51	49	50	49	55	54	64	63	66	65	NR	NR	71	70	NR	NR
27	57	57	52	51	45	45	49	48	52	51	50	49	54	53	64	64	67	65	NR	NR	70	69	NR	NR
28	57	57	52	52	46	45	48	47	49	48	52	52	54	53	65	64	67	65	NR	NR	69	68	NR	NR
29	57	57	52	52	45	44	47	45	49	49	56	55	56	55	66	65	69	66	NR	NR	68	66	NR	NR
30	57	56	52	51	45	45	42	45	50	49	57	56	57	56	66	65	68	66	NR	NR	68	66	NR	NR
31	57	56			42	42	45	44			52	50			67	66			NR	NR	67	66		
Max	NR		56		NR		50		52		54		NR		67		69		NR		NR		NR	
Min	NR		51		NR		42		44		47		NR		56		63		NR		NR		NR	
Avg	NR		53		NR		47		48		52		NR		61		67		NR		NR		NR	

AO 5165.00 FEATHER RIVER NEAR GRIDLEY  
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	61	60	57	55	52	51	45	44	45	43	52	50	56	52	56	53	69	64	70	64	70	68	69	65
2	60	58	56	54	52	52	45	44	46	45	54	50	56	52	56	54	68	64	70	65	71	67	68	66
3	59	58	56	54	52	52	45	44	47	45	55	51	55	52	54	52	64	64	69	64	72	68	69	65
4	59	58	56	54	52	52	45	44	48	46	54	52	54	52	53	51	68	64	70	65	72	68	69	65
5	59	58	56	54	52	52	45	45	47	46	54	52	54	51	53	50	67	64	71	66	71	67	69	65
6	59	57	56	54	52	51	45	45	47	46	54	52	55	52	55	52	66	63	73	67	69	66	69	65
7	59	57	55	54	51	50	46	45	48	47	54	52	54	52	56	53	66	63	77	69	70	66	69	64
8	58	57	55	53	51	50	47	46	50	47	55	53	54	52	56	53	64	62	76	69	71	67	68	65
9	58	56	55	53	51	50	46	46	50	49	55	52	58	52	56	53	64	61	NR	NR	71	67	68	65
10	58	56	55	53	50	50	46	46	51	49	55	52	58	54	56	54	65	63	NR	NR	72	67	65	62
11	59	56	55	54	50	50	46	45	51	49	56	53	59	54	58	54	65	63	NR	NR	71	67	65	62
12	59	57	55	54	50	50	47	45	50	50	56	53	61	56	57	55	66	63	NR	NR	70	67	65	62
13	60	58	55	54	50	50	46	45	51	50	54	52	61	57	58	55	66	63	NR	NR	70	66	65	62
14	60	58	55	54	50	50	47	45	52	50	55	51	59	56	58	56	66	63	NR	NR	69	66	66	62
15	61	59	54	53	51	50	46	46	51	48	53	52	58	55	57	55	68	63	NR	NR	70	66	65	62
16	60	58	53	53	50	50	47	46	50	48	54	51	59	55	57	54	70	65	NR	NR	70	66	65	62
17	59	58	53	53	51	50	46	46	50	47	52	51	60	56	59	56	71	66	NR	NR	69	66	66	62
18	59	58	54	53	50	49	46	46	50	48	53	50	60	56	60	57	71	67	NR	NR	69	67	64	62
19	58	57	53	52	49	49	46	46	49	48	53	52	61	57	60	58	69	65	NR	NR	69	66	64	61
20	59	57	53	52	49	49	47	46	50	48	55	51	63	58	58	56	70	65	NR	NR	70	67	66	62
21	58	56	53	52	49	48	47	46	50	47	53	50	64	59	59	56	70	65	NR	NR	69	66	67	64
22	57	55	54	53	48	47	47	46	50	46	52	49	61	58	61	57	71	66	NR	NR	71	66	67	64
23	56	54	53	52	47	45	47	46	50	47	53	50	60	57	64	60	70	65	NR	NR	70	67	68	65
24	56	55	52	51	46	45	48	46	51	48	52	51	58	56	66	61	68	64	NR	NR	72	67	69	65
25	56	55	53	52	46	44	48	47	52	48	54	51	58	55	66	62	69	64	NR	NR	72	68	69	65
26	57	55	53	52	46	44	48	47	52	49	53	50	57	54	67	62	70	65	NR	NR	70	67	68	65
27	56	55	53	52	46	45	46	45	56	54	56	54	68	63	70	65			NR	NR	68	66	67	64
28	58	55	52	52	46	45	45	44	54	51	53	49	55	53	68	64	70	65	NR	NR	69	65	66	63
29	57	55	52	51	45	44	46	44			54	49	56	53	68	64	70	66	NR	NR	69	65	66	63
30	57	55	52	52	46	44	45	44			56	51	56	53	69	64	70	64	NR	NR	69	66	66	63
31	56	56			45	44	44	43			56	52			69	65			NR	NR	69	66		
Max	61		57		52		48		54		56		64		70		71		NR		72		69	
Min	54		51		44		43		43		49		51		50		61		NR		65		61	
Avg	57		54		49		46		49		52		56		58		66		NR		68		65	



## DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 5975.00 THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR ORVILLE  
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	62	60	57	56	52	52	43	42	43	42	51	48	53	52	56	53	72	65	65	65	70	67	68	65
2	60	59	57	55	52	52	43	42	44	43	51	50	53	53	55	53	68	66	67	64	71	67	66	64
3	59	59	56	55	52	52	42	42	44	44	53	51	53	53	55	52	68	66	64	64	71	67	67	64
4	60	59	56	55	52	52	43	42	45	44	54	51	53	53	53	51	68	66	68	64	71	67	67	64
5	60	59	56	55	52	52	43	43	45	45	55	52	53	53	54	50	67	65	69	65	68	66	68	64
6	59	59	56	55	52	51	44	43	45	45	54	53	55	53	55	52	66	64	72	66	67	66	67	64
7	60	59	56	55	51	50	45	44	45	45	54	53	54	53	55	53	67	64	75	67	69	66	68	62
8	59	58	55	54	51	51	46	45	47	45	54	54	55	53	56	53	64	62	75	69	70	67	65	64
9	58	57	55	54	51	50	46	46	48	47	54	54	55	54	56	53	65	61	75	69	70	67	65	64
10	58	57	55	54	51	50	46	45	48	48	54	54	55	53	55	53	67	64	72	70	71	67	64	61
11	59	58	55	54	50	50	45	45	49	48	56	54	60	55	59	54	66	64	73	68	70	66	63	61
12	60	58	55	54	50	50	45	45	49	49	55	54	60	58	57	54	67	64	70	68	69	67	62	60
13	60	59	55	55	50	49	46	45	49	49	54	54	60	59	59	55	68	63	72	67	68	65	64	61
14	60	59	55	55	49	49	46	45	50	49	54	53	60	59	58	56	67	64	68	67	67	65	64	61
15	61	60	55	54	49	49	46	45	49	48	53	53	59	58	56	55	67	64	68	65	69	66	63	61
16	60	59	54	53	49	49	45	45	49	48	53	52	60	58	58	54	70	68	68	65	68	66	64	61
17	60	59	53	53	50	49	45	45	48	47	52	51	61	58	58	56	72	69	65	64	69	66	63	59
18	59	58	53	53	50	49	45	45	48	47	52	51	61	59	61	57	71	67	67	64	69	67	62	59
19	59	58	53	53	49	49	45	45	48	47	52	52	64	59	61	58	67	65	69	65	68	66	62	59
20	59	58	53	53	49	48	45	45	48	48	53	52	64	62	59	56	68	64	70	65	67	66	65	61
21	59	57	53	53	48	48	46	45	48	46	53	51	64	63	57	56	67	65	69	66	66	65	66	62
22	58	56	54	53	48	47	46	46	47	46	51	51	63	61	57	57	68	65	71	67	69	65	68	63
23	56	55	52	52	47	45	46	46	49	46	51	50	61	59	64	59	68	66	73	67	67	65	67	65
24	56	56	52	51	45	43	47	46	49	47	51	51	59	58	69	61	67	64	72	67	72	67	67	65
25	56	56	53	52	44	43	47	46	50	47	53	51	58	56	65	63	68	64	73	68	73	68	66	64
26	56	55	53	52	44	43	47	46	51	48	52	50	56	54	67	63	68	65	71	68	69	67	66	64
27	57	56	52	52	44	44	46	44	52	50	51	50	57	54	67	65	68	64	70	68	68	66	66	63
28	57	56	52	52	44	44	44	43	51	50	51	49	55	52	66	65	67	63	70	68	67	65	65	62
29	57	56	52	52	44	43	44	43			51	49	55	52	67	65	66	64	70	68	68	65	65	63
30	57	56	52	52	43	42	44	42			52	51	55	53	68	66	67	65	71	66	67	65	64	62
31	57	57			43	42	43	41			54	52			71	64			68	67	68	65		
Max	62		57		52		47		52		56		64		71		72		75		73		68	
Min	55		51		42		41		42		48		52		50		61		64		65		59	
Avg	58		54		48		44		47		52		57		58		66		68		68		64	

AO 5990.00 FEATHER RIVER FISH HATCHERY  
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	55	52	53	52	52	51	47	47	45	44	46	45	49	47	50	49	55	54	58	56	63	60	59	58
2	55	53	54	52	52	51	47	47	44	44	46	45	49	47	50	49	55	54	59	58	61	60	59	58
3	55	53	54	53	52	51	47	47	44	44	47	46	48	47	49	47	55	54	59	59	61	59	58	56
4	55	53	54	53	51	47	47	47	44	44	47	46	48	47	50	47	58	55	59	59	62	61	56	54
5	53	52	53	52	51	50	47	46	44	44	46	46	47	47	51	50	58	56	60	58	61	61	55	54
6	52	52	53	52	51	51	46	46	44	44	46	46	49	47	51	50	56	56	61	59	61	59	55	55
7	54	52	52	52	51	50	46	46	44	44	46	46	48	47	51	50	56	55	61	60	59	58	56	55
8	54	52	53	51	51	51	46	46	45	44	46	46	48	47	51	50	59	56	61	60	60	58	56	55
9	55	53	53	52	51	50	46	45	45	45	46	46	47	47	51	50	60	58	61	60	61	60	56	55
10	55	54	53	52	51	50	45	45	45	45	47	46	48	47	52	50	59	58	61	60	60	60	56	55
11	58	55	53	52	50	50	45	45	46	45	47	46	50	47	51	49	58	57	61	59	61	60	56	54
12	58	57	52	52	50	49	45	45	46	45	47	46	50	47	52	51	58	56	59	59	61	60	55	53
13	57	54	52	51	49	49	46	45	46	45	47	46	50	47	53	52	59	56	59	59	61	60	54	54
14	56	54	53	52	49	49	46	46	46	46	47	46	50	47	52	51	59	58	60	59	61	60	54	53
15	57	55	53	52	49	49	46	46	46	46	46	46	50	47	52	50	59	58	59	59	61	60	55	53
16	55	52	52	52	49	48	46	46	46	46	46	45	49	47	54	52	59	58	60	59	61	60	55	54
17	56	54	52	52	48	47	46	46	46	46	47	46	49	47	54	52	58	57	61	60	61	60	55	54
18	55	53	52	51	49	47	46	46	46	46	46	46	49	47	55	52	59	58	60	59	61	60	55	54
19	53	52	54	51	49	48	46	46	46	46	46	46	50	47	54	53	58	57	60	60	62	59	55	53
20	53	52	54	53	48	47	46	46	46	46	46	46	52	48	56	53	58	57	61	60	62	61	55	54
21	54	52	54	50	47	46	46	45	46	46	46	46	53	49	56	53	58	58	61	60	62	60	57	54
22	54	53	52	50	46	46	46	45	46	45	46	45	54	47	54	53	59	57	61	61	62	61	57	55
23	54	51	53	53	46	46	46	46	46	45	45	46	46	47	54	53	59	58	62	61	61	60	57	55
24	52	51	52	52	46	46	46	46	45	45	46	46	48	47	55	53	58	55	62	61	60	57	57	55
25	52	52	52	51	46	46	46	46	46	45	46	46	48	47	55	54	59	55	62	61	60	59	56	54
26	52	52	53	51	47	46	46	46	46	45	46	46	50	48	56	55	59	58	63	62	60	60	54	52
27	52	52	53	52	47	47	46	46	46	45	47	46	50	49	56	54	59	59	62	62	60	58	54	53
28	53	52	52	52	47	47	46	46	46	45	47	47	50	49	56	55	59	58	62	61	60	58	54	53
29	53	52	52	52	46	46	46	46	46	46	48	47	50	50	57	55	60	58	62	61	60	58	54	53
30	53	52	52	51	47	46	46	45	45	45	48	47	51	50	56	55	61	57	62	60	59	58	53	53
31	52	52			47	47	45	45			49	48			56	54			63	62	59	58		
Max	58		54		52		47		46		49		53		57		61		63		63		59	
Min	51		50		46		45		44		45		47		54		56		56		57		52	
Avg	54		52		48		46		45		46		48		52		57		58		60		55	

TABLE D-7 (Cont.)

## DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

46 1265.00 SQUIRREL CREEK NEAR PENN VALLEY  
(October 1, 1974, through September 30, 1975)

In Degrees Fahrenheit

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	63	56	54	50	45	40	39	36	NR	NR	52	50	52	44	63	53	73	66	69	61	72	63	66	59
2	64	59	52	48	46	44	39	34	44	41	54	50	53	45	62	55	70	65	69	60	73	64	66	59
3	64	59	51	47	49	46	40	35	45	40	53	47	51	48	58	53	71	63	69	61	73	64	66	59
4	63	59	51	47	51	47	42	40	45	43	55	48	48	43	57	50	73	63	69	61	72	63	67	60
5	61	56	51	47	48	45	42	39	45	43	52	51	46	41	58	49	75	66	70	61	72	63	69	61
6	60	54	51	47	49	45	45	42	46	44	51	50	50	41	59	49	75	67	72	62	72	65	69	62
7	60	54	50	50	48	43	47	45	49	46	50	48	45	41	60	51	73	66	73	63	70	62	69	62
8	62	58	51	48	47	43	47	44	51	48	51	48	48	43	62	52	73	65	73	63	71	62	69	63
9	62	58	50	46	45	41	44	41	51	48	50	48	54	42	63	54	74	65	74	64	71	62	69	64
10	60	56	50	46	44	40	45	43	50	46	51	47	55	44	62	55	74	66	72	66	71	63	67	64
11	60	55	51	46	46	43	45	41	51	46	53	47	56	46	65	52	73	66	75	65	71	63	67	61
12	60	54	52	47	47	45	45	40	48	46	52	45	58	48	66	56	74	65	75	65	72	63	68	62
13	59	53	53	49	47	45	45	40	49	46	48	41	58	50	67	53	76	65	75	65	71	63	68	62
14	59	53	53	49	47	44	45	40	49	45	51	42	54	49	67	61	77	67	74	65	71	63	67	61
15	59	53	52	49	48	43	46	40	47	41	47	43	54	46	64	58	76	68	76	68	70	63	67	61
16	59	53	51	48	47	43	47	41	47	42	50	43	53	46	66	57	75	67	73	65	70	63	67	61
17	59	54	52	50	47	44	46	41	46	40	47	44	55	46	68	59	73	67	74	66	68	63	68	61
18	59	53	53	50	45	41	47	41	46	41	51	46	56	47	70	60	70	63	77	66	66	62	67	64
19	58	54	50	47	43	39	47	41	47	46	50	49	59	51	67	61	68	62	74	65	64	61	67	62
20	59	54	51	46	44	40	47	42	49	45	52	45	59	51	63	57	70	61	74	65	68	60	67	61
21	57	52	51	50	44	41	48	42	46	41	48	42	60	53	63	55	72	63	75	66	67	63	67	61
22	56	51	50	47	42	39	48	43	47	40	47	42	56	51	65	57	72	63	75	66	69	62	66	61
23	55	50	48	44	39	36	48	43	49	42	50	44	56	51	67	58	70	64	76	67	70	63	66	60
24	55	50	48	43	38	33	49	43	49	43	50	47	54	49	68	60	65	61	77	68	70	62	66	60
25	56	51	50	47	39	35	49	43	51	45	52	45	53	47	69	61	66	58	78	69	71	63	65	59
26	57	53	48	44	41	35	49	44	52	45	50	42	55	46	69	61	68	59	77	68	70	64	64	59
27	56	53	47	43	41	40	44	40	55	49	50	42	58	48	70	61	69	60	77	68	67	62	63	58
28	55	52	46	41	43	40	41	37	55	49	50	41	59	50	70	61	71	61	76	68	67	61	62	57
29	54	51	46	41	40	36	43	37	53	42	60	51	70	62	72	62	76	68	67	60	61	56	61	56
30	53	50	46	41	42	38	41	36	55	46	61	52	73	62	71	62	72	64	66	60	62	57	62	57
31	54	52			41	37	NR	NR			55	48			74	64			71	63	66	59		
Max	64		56		51		NR		NR		55		61		74		77		78		73		69	
Min	50		41		33		NR		NR		41		41		49		58		60		59		56	
Avg	56		48		43		NR		NR		48		51		61		68		69		66		63	

B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE  
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	NR	NR	53	51	48	46	51	48	58	57	57	55	68	65	70	68	72	69	78	76	73	71
2	NR	NR	NR	NR	52	51	49	47	51	50	58	56	58	56	68	66	71	69	73	71	79	77	74	73
3	NR	NR	NR	NR	53	52	48	47	52	51	58	56	57	56	67	63	68	65	71	69	80	79	75	73
4	NR	NR	NR	NR	55	53	50	48	53	52	58	57	57	56	63	61	68	65	72	69	80	79	76	74
5	NR	NR	NR	NR	55	54	50	49	53	52	58	57	58	56	62	59	69	66	74	70	80	78	77	75
6	NR	NR	NR	NR	54	53	51	50	53	52	58	56	57	56	64	60	70	67	75	72	78	75	77	75
7	NR	NR	NR	NR	54	53	52	50	53	52	58	56	56	55	64	61	69	66	76	73	75	74	77	74
8	NR	NR	NR	NR	54	53	54	52	54	53	58	56	57	55	65	62	69	66	77	74	77	75	75	72
9	NR	NR	NR	NR	53	53	53	52	56	54	57	56	58	56	65	62	69	66	76	74	78	77	73	70
10	NR	NR	NR	NR	53	52	52	52	55	54	56	56	59	57	66	62	69	67	77	70	78	76	73	70
11	NR	NR	NR	NR	52	52	52	51	56	55	57	55	60	58	67	63	69	68	76	75	78	76	73	70
12	NR	NR	NR	NR	53	52	54	51	56	54	57	55	61	59	68	64	70	68	79	76	78	76	73	70
13	NR	NR	NR	NR	53	52	52	50	54	53	56	54	62	60	69	66	71	68	79	76	77	75	NR	NR
14	NR	NR	NR	NR	53	52	51	50	54	52	55	54	62	61	69	66	71	69	79	77	76	74	NR	NR
15	NR	NR	NR	NR	53	52	51	51	52	51	54	53	61	59	67	65	70	68	78	75	77	75	NR	NR
16	NR	NR	NR	NR	57	56	53	52	51	50	52	50	54	53	60	59	67	64	69	67	77	73	76	74
17	NR	NR	NR	NR	57	56	53	52	52	50	50	49	54	53	60	58	69	65	68	66	78	75	75	74
18	NR	NR	NR	NR	57	56	52	51	51	51	50	49	56	53	61	58	70	67	68	65	77	75	75	70
19	NR	NR	NR	NR	56	55	52	51	51	51	50	50	56	55	62	60	69	67	66	65	78	75	73	70
20	NR	NR	NR	NR	56	55	52	52	51	50	57	55	64	61	67	63	68	65	78	76	75	72	72	70
21	NR	NR	NR	NR	56	56	52	51	51	50	50	49	56	54	65	63	65	62	70	64	79	74	77	73
22	61	59	56	54	52	50	51	50	50	48	54	53	64	62	66	62	72	68	80	76	78	75	73	
23	60	59	55	53	50	48	51	50	51	49	55	53	65	62	68	64	71	69	81	80	79	76	73	
24	60	59	54	52	49	47	52	50	52	50	57	55	64	63	69	66	70	68	82	80	79	77	74	
25	61	59	54	53	48	47	52	51	54	52	58	56	63	61	69	66	71	68	83	80	80	77	74	
26	61	60	54	52	49	46	52	51	54	53	56	54	61	59	70	67	71	68	84	82	79	76	73	
27	61	60	54	52	49	48	52	50	56	54	55	53	63	60	69	66	72	69	83	82	76	74	72	
28	61	60	53	52	50	49	50	48	58	55	54	52	64	62	71	69	73	70	82	79	75	72	70	
29	60	59	52	51	49	48	50	49			54	52	65	62	70	67	74	71	80	78	74	72	70	
30	NR	NR	53	51	49	48	50	48			56	53	66	64	72	68	72	69	79	77	74	72	70	
31	NR	NR	NR	NR	49	46	49	48			57	56			71	69			82	78	74	72		
Max	NR	NR	NR	NR	55	55	54	54	58	58	58	58	66	66	72	72	74	74	84	84	80	80	NR	NR
Avg	NR	NR	NR	NR	46	46	46	46	50	52	52	52	60	60	65	65	69	69	75	75	70	70	NR	NR

## DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 0 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF  
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	71	69	60	60	53	52	47	46	47	47	55	54	NR	NR	65	62	NR	NR	76	74	NR	NR	NR	NR
2	70	69	60	59	53	52	47	45	48	47	56	54	NR	NR	65	62	NR	NR	76	74	NR	NR	NR	NR
3	70	69	NR	NR	53	52	46	45	48	47	56	54	NR	NR	64	63	NR	NR	76	74	NR	NR	NR	NR
4	71	69	NR	NR	54	53	46	45	49	47	58	55	NR	NR	64	63	NR	NR	75	74	NR	NR	NR	NR
5	70	69	NR	NR	54	53	46	45	50	49	58	57	51	50	64	63	NR	NR	76	74	NR	NR	NR	NR
6	70	69	NR	NR	54	53	47	46	51	50	58	57	NR	NR	64	63	NR	NR	77	74	NR	NR	NR	NR
7	70	69	NR	NR	54	53	48	47	52	51	58	58	NR	NR	64	63	NR	NR	77	75	NR	NR	NR	NR
8	69	68	NR	NR	54	53	48	48	52	51	58	57	56	55	64	63	NR	NR	76	75	NR	NR	NR	NR
9	69	68	NR	NR	53	53	49	48	53	52	57	56	57	56	65	63	NR	NR	NR	NR	NR	NR	NR	NR
10	68	67	NR	NR	53	52	49	47	54	53	57	56	57	56	66	64	NR	NR	NR	NR	NR	NR	NR	NR
11	68	67	NR	NR	52	52	50	49	54	53	56	56	58	57	67	65	NR	NR	NR	NR	NR	NR	77	75
12	68	67	NR	NR	52	51	50	49	54	54	57	56	60	57	67	65	NR	NR	NR	NR	NR	NR	77	76
13	69	67	NR	NR	52	51	50	49	54	53	56	55	61	58	70	66	NR	NR	NR	NR	NR	NR	77	75
14	69	67	NR	NR	52	51	50	49	53	51	55	52	60	59	69	67	NR	NR	NR	NR	NR	NR	76	75
15	69	67	NR	NR	52	51	50	49	52	51	54	52	60	59	70	67	NR	NR	NR	NR	NR	NR	76	75
16	69	67	NR	NR	52	51	50	49	51	50	54	53	60	59	70	68	NR	NR	NR	NR	NR	NR	76	74
17	69	67	NR	NR	52	51	49	49	50	49	54	53	60	59	71	68	73	71	NR	NR	NR	NR	75	74
18	69	67	NR	NR	52	51	50	49	49	48	55	52	60	59	71	68	72	70	NR	NR	NR	NR	76	74
19	69	68	NR	NR	52	51	50	49	49	49	55	54	61	59	70	69	71	70	NR	NR	NR	NR	75	74
20	69	68	57	56	51	51	50	49	49	48	56	54	61	59	69	67	72	69	NR	NR	NR	NR	75	74
21	68	66	56	56	51	50	50	49	49	48	55	53	62	60	67	66	72	70	NR	NR	NR	NR	76	74
22	66	65	56	56	51	50	49	49	49	48	55	52	62	61	68	65	73	71	NR	NR	NR	NR	76	74
23	65	64	56	55	50	48	49	49	50	48	54	52	62	61	68	65	73	71	NR	NR	NR	NR	75	74
24	64	62	56	54	49	48	50	49	50	49	56	53	62	62	69	66	72	69	NR	NR	NR	NR	76	74
25	63	61	56	55	49	47	50	49	51	49	56	54	62	61	70	68	73	71	NR	NR	NR	NR	76	75
26	62	61	55	54	48	47	50	50	53	51	55	53	62	60	71	68	74	72	NR	NR	NR	NR	77	75
27	61	60	55	54	48	47	50	49	53	52	54	52	62	61	72	69	74	73	NR	NR	NR	NR	76	75
28	61	61	54	53	48	47	49	49	55	53	54	51	62	61	71	69	75	73	NR	NR	NR	NR	75	73
29	61	60	54	53	48	46	49	48			NR	NR	64	61	72	69	77	74	NR	NR	NR	NR	74	72
30	61	60	54	52	46	46	48	48			NR	NR	65	62	73	71	76	74	NR	NR	NR	NR	74	71
31	61	60			47	45	48	47			NR	NR			74	71			NR	NR	NR	NR		
Max	71		NR		54		50		55		NR		NR		74		NR		NR		NR		NR	
Min	60		NR		45		45		47		NR		NR		62		NR		NR		NR		NR	
Avg	66		NR		51		48		50		NR		NR		67		NR		NR		NR		NR	

B9 0 759.8 125.1 SAN JOAQUIN RIVER AT RINDGE PUMP  
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September		
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	
1	70	68			NR	NR	44	42	45	45	53	52	53	52	64	61	73	71	73	71	79	78	75	74	
2	69	69			NR	NR	44	42	46	45	55	52	55	53	65	62	72	71	73	71	80	78	75	74	
3	69	68			NR	NR	44	43	47	46	55	53	55	54	64	61	72	71	73	71	80	78	75	74	
4	69	68			51	44	43	43	47	47	55	55	55	54	62	60	72	71	72	72	80	79	75	74	
5	69	68			52	51	43	43	47	47	55	55	55	54	62	61	72	71	73	71	79	78	76	75	
6	68	67			52	51	44	43	48	47	55	55	54	54	63	61	72	71	74	72	79	78	76	75	
7	68	66			51	42	54	45	49	48	55	55	54	54	63	62	71	71	74	72	79	77	75	75	
8	68	66			52	51	46	45	52	49	56	55	54	54	63	62	71	71	74	72	79	77	75	75	
9	67	66			51	51	45	45	52	51	56	55	55	54	64	63	73	71	75	73	79	77	75	74	
10	67	66			N	51	51	45	45	52	52	55	55	56	55	66	64	73	71	76	74	79	78	75	74
11	67	66	O		50	50	46	45	53	52	55	54	56	55	68	64	73	71	77	74	79	78	74	74	
12	67	65			50	50	47	46	53	53	54	54	58	56	68	64	73	71	77	75	78	78	75	73	
13	67	65			50	50	47	47	53	53	54	54	60	57	70	67	74	71	77	75	78	77	75	73	
14	67	66			50	50	47	47	53	52	54	53	58	58	70	67	74	71	77	75	77	76	74	73	
15	68	66			R	50	50	47	47	52	51	53	52	58	57	69	67	74	71	76	75	77	76	74	73
16	67	66	E		50	50	47	47	51	50	52	52	58	57	69	67	74	72	76	74	77	76	74	73	
17	68	66			50	50	47	47	50	49	52	52	59	58	71	68	73	71	77	75	76	76	74	73	
18	68	67			C	50	50	47	47	49	49	53	52	59	58	72	69	71	70	76	75	76	75	73	73
19	67	66			50	50	49	47	47	49	49	53	52	61	58	71	69	70	69	77	75	75	74	73	73
20	67	66			O	50	49	47	47	49	48	53	52	61	59	69	66	69	68	77	76	75	74	73	73
21	67	65	R		49	49	47	47	48	47	53	52	61	59	67	66	69	69	77	76	75	75	73	73	
22	66	64			49	48	47	47	48	47	52	52	61	59	68	67	71	69	79	76	76	75	73	73	
23	65	64			O	48	45	47	47	48	47	52	51	60	60	69	68	70	69	79	77	77	75	74	73
24	64	63			47	46	47	47	48	48	53	52	60	60	71	68	69	69	79	77	77	76	74	73	
25	64	63			47	46	47	47	49	48	53	53	60	59	72	68	71	68	81	78	77	77	74	74	
26	63	62			46	45	47	47	50	49	53	51	60	59	73	69	71	69	82	79	77	77	74	74	
27	62	61			46	45	47	46	52	50	51	51	61	59	73	69	72	69	80	79	77	76	74	73	
28	62	61			45	45	46	45	53	51	51	50	61	60	72	69	74	70	80	79	76	75	74	73	
29	61	60			45	44	46	46	52	50	52	50	63	60	73	70	74	71	79	79	76	75	74	73	
30	60	60			44	43	47	47	45	54	51	54	64	61	73	71	73	71	79	77	76	74	73	72	
31	NR	NR			43	42	47	45			54	52			74	71			79	78	76	74			
Max	NR		NR		NR	NR	47	45	53	52	56	56	64	64	74	74	74	82	82	80	80	76	76		
Min	NR	NR	NR	NR	NR	NR	46	42	45	50	50	52	60	52	60	67	71	71	71	74	74	74	74		

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	65	65	59	59	53	53	47	46	47	47	51	50	52	51	57	56	65	65	67	66	73	73	69	69
2	65	65	59	59	53	53	47	46	47	47	52	51	52	52	57	56	65	65	67	67	73	73	69	69
3	65	65	58	58	53	53	46	46	47	46	52	52	52	52	57	57	65	65	67	67	73	73	68	68
4	65	65	58	57	53	53	46	46	46	46	53	52	53	52	57	57	65	65	67	67	71	71	68	68
5	65	64	57	57	53	53	46	46	47	46	53	53	53	53	57	57	65	65	67	66	72	72	69	68
6	64	64	57	57	53	52	46	46	47	47	53	53	53	53	57	57	65	65	67	66	72	71	69	69
7	64	63	57	57	52	52	46	46	47	47	53	53	53	52	57	57	65	65	67	67	71	71	69	69
8	63	63	57	57	52	52	47	46	47	47	53	53	52	52	57	57	65	65	68	67	71	71	69	69
9	63	63	57	56	52	52	48	47	48	47	53	53	52	52	57	57	65	65	69	68	71	70	69	69
10	63	62	56	56	52	52	48	48	49	48	53	53	52	52	57	57	66	65	70	69	71	70	69	69
11	63	62	56	56	52	52	48	48	50	49	53	53	52	52	58	57	66	66	70	70	71	71	69	69
12	62	62	56	56	52	52	48	48	50	50	53	53	53	52	58	57	66	65	71	70	71	71	69	69
13	62	62	56	56	52	52	48	48	50	50	53	53	54	53	58	58	65	65	71	71	71	71	69	68
14	62	62	56	56	52	52	48	48	50	50	53	53	54	54	59	58	66	65	71	71	71	71	68	68
15	62	62	56	56	52	51	48	48	50	50	53	53	55	54	59	59	66	66	71	71	71	70	68	66
16	62	62	56	56	51	51	48	48	50	50	53	52	55	55	59	59	66	66	71	71	70	70	68	68
17	62	62	56	56	51	51	48	48	50	50	52	52	55	55	60	59	66	66	71	71	70	70	68	68
18	63	62	56	56	51	51	48	48	50	49	52	52	55	55	60	60	66	66	71	71	70	70	68	68
19	63	62	56	56	51	51	48	48	49	49	52	52	55	54	60	60	66	66	71	70	70	69	68	68
20	62	62	56	56	51	51	48	48	49	49	52	52	54	54	61	60	66	66	71	70	69	69	68	68
21	62	61	56	56	51	51	48	48	49	49	52	52	55	54	61	60	66	65	70	70	69	69	68	68
22	62	61	56	55	51	51	48	48	49	49	52	52	55	55	60	60	65	65	71	70	69	69	68	68
23	62	61	55	55	50	50	48	48	49	48	52	52	55	55	60	60	65	65	71	71	69	69	68	68
24	61	55	54	54	50	49	48	48	49	48	56	56	60	60	62	62	65	65	72	72	70	69	69	68
25	60	59	54	54	49	49	48	48	49	48	52	52	56	56	61	60	65	65	73	72	71	70	69	68
26	59	59	54	54	49	48	48	48	49	49	52	52	56	56	61	61	65	65	74	73	71	71	69	69
27	59	54	54	54	48	48	48	48	49	49	52	51	56	55	62	61	65	65	74	74	71	71	69	69
28	59	59	53	53	48	48	49	49	50	49	56	55	63	62	66	65	65	65	75	75	71	70	69	68
29	59	59	53	53	48	47	49	49	49	49	51	51	56	55	64	63	66	66	75	75	70	70	68	67
30	59	59	53	53	47	47	49	48	49	48	51	51	56	56	64	64	66	66	75	74	70	69	67	67
31	59	59			47	47	48	47	48	47	51	51			65	64			74	73	69	69		
Max	65		59		53		49		50		53		56		65		66		75		73		69	
Min	59		53		47		46		46		50		51		56		65		66		69		67	
Avg	62		56		51		48		49		52		54		59		65		70		71		68	

[illegible]

TABLE D-8 (Cont.)

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25°C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	135	135	135	165	140	145	195	170	185	235	205	220	180	170	175
2	NR	NR	NR	160	130	145	NR	NR	NR	195	170	185	255	235	245	175	175	175
3	NR	NR	NR	145	135	140	NR	NR	NR	180	175	180	245	145	195	180	160	170
4	NR	NR	NR	130	125	130	NR	NR	NR	185	170	180	145	130	140	170	155	165
5	NR	NR	NR	135	130	130	NR	NR	NR	225	170	190	150	125	140	165	160	165
6	NR	NR	NR	140	135	140	NR	NR	NR	220	175	190	160	140	155	205	165	185
7	NR	NR	NR	140	135	140	140	120	125	180	165	175	170	155	165	190	165	180
8	NR	NR	NR	200	140	155	160	130	140	175	145	165	165	150	160	225	155	180
9	NR	NR	NR	145	140	140	175	155	165	190	120	145	150	145	145	165	135	150
10	NR	NR	NR	140	135	135	165	160	165	135	120	130	145	135	140	135	130	135
11	NR	NR	NR	135	130	135	170	165	170	145	105	125	135	130	135	145	135	140
12	NR	NR	NR	140	130	135	170	170	170	220	145	180	140	135	140	145	140	140
13	NR	NR	NR	135	125	130	190	165	175	185	155	170	145	135	140	150	140	145
14	NR	NR	NR	135	125	130	165	160	165	170	155	160	145	135	140	155	150	150
15	NR	NR	NR	135	120	125	165	160	160	180	155	170	135	130	130	155	150	150
16	NR	NR	NR	160	135	145	160	150	155	240	170	195	145	130	140	155	150	155
17	NR	NR	NR	135	125	130	185	155	170	190	180	185	145	140	140	160	155	155
18	NR	NR	NR	135	115	125	155	140	155	240	185	205	150	145	150	160	155	155
19	135	125	130	130	125	130	155	150	150	200	190	195	150	145	150	160	135	145
20	180	135	155	135	125	130	170	145	155	280	200	235	145	140	140	150	110	125
21	140	135	140	145	125	135	170	145	155	270	255	260	155	145	150	130	100	115
22	140	135	140	140	135	135	165	155	160	255	230	245	155	125	140	135	105	120
23	145	130	135	135	135	135	205	145	170	265	230	245	170	130	160	140	120	130
24	130	125	130	135	135	135	155	155	155	230	220	225	170	150	160	125	115	120
25	145	130	140	135	135	135	165	155	160	220	220	220	155	140	145	145	120	130
26	140	135	135	135	135	135	160	150	155	220	220	220	165	140	160	155	125	140
27	140	135	135	135	135	135	170	145	155	220	190	205	170	150	160	145	110	125
28	155	135	145	135	135	135	185	150	175	185	180	180	165	150	160	135	110	125
29	150	140	145	140	135	140	205	135	175	225	185	200	150	145	150	150	125	140
30	140	140	140	140	140	140	155	110	130	185	185	185	160	145	150	160	135	145
31	140	135	135				225	160	185	210	180	190	155	140	150	155	140	150

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	165	145	155	155	125	140	165	145	155	NR	NR	NR	NR	NR	NR	205	205	205
2	175	155	165	150	125	140	150	135	145	NR	NR	NR	NR	NR	NR	210	200	205
3	180	155	170	150	125	135	160	135	145	NR	NR	NR	NR	NR	NR	215	205	210
4	NR	NR	NR	145	125	135	160	140	150	NR	NR	NR	NR	NR	NR	205	200	200
5	NR	NR	NR	140	130	135	170	150	160	NR	NR	NR	NR	NR	NR	205	200	205
6	NR	NR	NR	140	130	135	160	135	150	NR	NR	NR	NR	NR	NR	215	210	210
7	NR	NR	NR	140	130	135	160	140	150	NR	NR	NR	NR	NR	NR	230	215	225
8	NR	NR	NR	140	135	135	140	130	135	NR	NR	NR	NR	NR	NR	235	230	230
9	NR	NR	NR	140	130	135	140	125	135	NR	NR	NR	NR	NR	NR	240	235	235
10	NR	NR	NR	140	130	135	135	130	130	NR	NR	NR	NR	NR	NR	240	230	235
11	NR	NR	NR	145	130	140	140	130	135	NR	NR	NR	NR	NR	NR	235	225	230
12	NR	NR	NR	145	130	135	135	125	130	NR	NR	NR	NR	NR	NR	245	220	230
13	NR	NR	NR	145	135	140	135	125	130	NR	NR	NR	NR	NR	NR	245	215	225
14	NR	NR	NR	145	130	140	135	125	130	NR	NR	NR	NR	NR	NR	235	205	225
15	NR	NR	NR	150	130	140	150	130	140	NR	NR	NR	NR	NR	NR	230	210	220
16	150	135	140	140	130	135	135	130	135	NR	NR	NR	NR	NR	NR	220	205	215
17	155	130	140	145	130	135	135	130	135	200	175	185	NR	NR	NR	235	200	220
18	170	145	160	140	135	135	150	130	140	200	175	185	NR	NR	NR	230	200	215
19	175	155	165	145	135	140	150	140	145	NR	NR	NR	NR	NR	NR	220	200	210
20	175	155	165	150	135	145	160	150	155	NR	NR	NR	NR	NR	NR	210	200	205
21	165	150	155	145	140	140	205	150	175	NR	NR	NR	215	200	210	195	190	195
22	NR	NR	NR	160	145	155	180	170	175	NR	NR	NR	215	195	205	NR	NR	NR
23	NR	NR	NR	170	155	165	180	180	180	NR	NR	NR	215	200	210	NR	NR	NR
24	NR	NR	NR	175	165	170	185	170	175	NR	NR	NR	210	205	205	NR	NR	NR
25	NR	NR	NR	180	170	175	170	150	160	NR	NR	NR	210	200	205	NR	NR	NR
26	145	130	140	175	170	175	170	155	160	NR	NR	NR	210	200	205	NR	NR	NR
27	135	125	130	180	170	175	180	160	170	NR	NR	NR	210	195	200	NR	NR	NR
28	130	120	125	180	160	170	180	165	175	NR	NR	NR	205	195	200	NR	NR	NR
29	150	120	135	175	160	170	180	170	175	NR	NR	NR	210	200	205	NR	NR	NR
30	150	125	135	175	145	160	180	170	175	NR	NR	NR	205	200	205	NR	NR	NR
31				165	150	160				NR	NR	NR	210	205	205			

NR - No Record



## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	1055	1050	1052	1035	1015	1030	1260	1235	1247			
2	NR	NR	NR	NR	NR	NR	1050	1040	1045	1130	1080	1095	1235	675	955			
3	NR	NR	NR	NR	NR	NR	1040	780	1025	1130	1080	1090	1010	500	755			
4	NR	NR	NR	NR	NR	NR	1050	780	1025	1100	1100	1100	1025	1010	1017			
5	NR	NR	NR	NR	NR	NR	1020	975	1000	1125	1100	1110	1025	920	972			
6	NR	NR	NR	NR	NR	NR	1050	1020	1035	1175	1125	1150	970	865	893			
7	NR	NR	NR	NR	NR	NR	1085	1020	1050	1220	1175	1197	920	840	880			
8	NR	NR	NR	NR	NR	NR	1020	740	835	1250	1200	1230	980	920	950			
9	NR	NR	NR	NR	NR	NR	820	740	780	1250	1250	1250	1000	900	960			
10	NR	NR	NR	NR	NR	NR	855	820	837	1250	1250	1250	1000	980	990		X	
11	NR	NR	NR	NR	NR	NR	925	855	890	1270	1240	1255	980	960	975		O	
12	NR	NR	NR	NR	NR	NR	960	920	940	1335	1243	1290	980	650	875			
13	NR	NR	NR	NR	NR	NR	975	945	960	1373	1335	1355	800	700	770			
14	NR	NR	NR	NR	NR	NR	1020	945	982	1440	1375	1408	780	760	770			
15	NR	NR	NR	NR	NR	NR	1040	1000	1015	1465	1440	1452	780	760	770		R	
16	NR	NR	NR	NR	NR	NR	1060	1020	1040	1425	1360	1392	760	725	743		E	
17	NR	NR	NR	NR	NR	NR	1085	1065	1075	1360	1340	1350	730	725	728			
18	NR	NR	NR	NR	NR	NR	1090	1085	1087	1350	1340	1349	760	730	745		C	
19	NR	NR	NR	NR	NR	NR	1090	1065	1078	1350	1350	1350	760	740	750			
20	NR	NR	NR	910	900	905	1075	1065	1070	1450	1350	1375	740	700	720		O	
21	NR	NR	NR	900	900	900	1085	1075	1080	1475	1400	1432	700	690	698		R	
22	NR	NR	NR	950	920	938	1090	1085	1087	1475	1125	1300	685	680	683			
23	NR	NR	NR	NR	NR	NR	1140	1090	1115	1220	1125	1172	NR	NR	NR		D	
24	650	645	647	NR	NR	NR	1170	1140	1155	1225	1125	1175	NR	NR	NR			
25	NR	NR	NR	NR	NR	NR	1170	1155	1163	1180	1115	1147	NR	NR	NR			
26	NR	NR	NR	NR	NR	NR	1170	1150	1160	1240	1180	1210	NR	NR	NR			
27	NR	NR	NR	NR	NR	NR	1150	1110	1140	1260	1240	1250	NR	NR	NR			
28	NR	NR	NR	1070	1050	1060	1150	1130	1145	1260	1250	1255	NR	NR	NR			
29	NR	NR	NR	1070	1070	1070	1130	1110	1120	1260	1260	1260						
30	NR	NR	NR	1070	1050	1069	1140	1015	1090	1300	1260	1280						
31	NR	NR	NR				1015	1015	1015	1300	1260	1280						

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1				NR	NR	NR	860	840	850	735	725	730	710	700	703	535	530	532
2				NR	NR	NR	885	860	872	740	730	735	700	700	700	535	530	532
3				NR	NR	NR	960	860	910	760	740	750	700	690	698	538	530	534
4				NR	NR	NR	980	960	970	760	750	755	685	680	683	538	530	534
5				NR	NR	NR	980	970	975	770	760	765	680	680	680	540	538	539
6				NR	NR	NR	1000	970	980	755	740	748	680	680	680	538	530	534
7				NR	NR	NR	1000	960	980	740	700	720	680	675	679	540	530	535
8				NR	NR	NR	975	780	940	700	695	698	680	675	678	550	540	545
9				NR	NR	NR	550	780	900	700	690	695	680	662	671	540	550	555
10		N		NR	NR	NR	960	790	910	700	690	697	670	662	666	555	525	540
11		O		NR	NR	NR	790	205	440	705	700	702	670	662	666	525	490	513
12				NR	NR	NR	640	320	480	705	700	703	670	662	666	515	510	512
13				725	635	680	930	620	800	700	685	693	670	660	665	530	513	521
14				635	600	618	1005	930	980	695	625	690	670	650	665	530	525	527
15		R		615	600	608	NR	NR	NR	700	695	698	665	660	663	545	530	537
16		B		625	615	620	NR	NR	NR	700	685	695	665	660	662	555	545	550
17				615	555	585	NR	NR	NR	680	660	673	658	640	649	580	555	567
18		C		555	535	545	NR	NR	NR	660	628	645	640	640	640	600	580	590
19				550	535	543	NR	NR	NR	630	628	639	640	620	630	605	595	600
20		O		580	550	565	NR	NR	NR	630	630	630	620	580	600	605	600	602
21				600	580	590	1080	930	1000	NR	NR	NR	580	570	575	610	600	605
22				660	575	668	930	840	885	NR	NR	NR	575	570	573	608	600	604
23				690	645	667	840	780	810	NR	NR	NR	580	575	578	635	600	618
24		D		710	625	680	780	755	767	NR	NR	NR	590	580	585	645	635	640
25				690	620	685	755	740	748	NR	NR	NR	600	585	592	650	640	645
26				690	680	685	745	735	740	NR	NR	NR	600	565	583	665	650	655
27				725	690	708	760	745	753	NR	NR	NR	570	560	565	680	660	665
28				780	725	757	750	740	745	NR	NR	NR	580	570	575	660	660	660
29				805	780	792	745	720	732	700	700	700	570	550	560	670	660	665
30				835	805	820	735	690	713	700	700	700	550	540	545	700	658	679
31				840	835	837				710	700	702	540	535	539			

NR - No Record

TABLE D-8 (Cont.)

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 7140.10 AMERICAN RIVER AT SACRAMENTO WATER TREATMENT PLANT

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	48	44	46	54	50	52	54	50	52	56	51	54	60	56	58	62	60	61
2	50	45	47	54	50	52	55	51	53	55	51	53	61	58	59	62	60	61
3	50	46	48	53	48	51	54	50	53	55	51	53	62	58	60	62	60	61
4	50	46	48	52	48	51	55	52	53	56	51	54	62	58	60	62	60	61
5	50	47	48	53	49	51	54	49	52	56	51	54	61	56	58	63	61	62
6	50	47	48	54	50	52	54	51	53	57	52	55	58	53	55	63	61	62
7	50	46	48	55	51	53	54	50	52	57	52	54	54	51	52	64	61	63
8	49	46	48	55	51	54	53	49	51	58	54	56	54	51	53	65	62	63
9	48	46	47	56	51	54	53	49	52	59	55	57	56	52	54	66	63	65
10	48	44	46	55	51	53	53	50	52	59	55	57	57	54	56	66	62	64
11	48	45	47	56	52	53	53	50	52	60	54	57	58	56	57	65	62	63
12	48	45	47	55	52	54	54	51	53	60	54	58	58	54	55	64	62	63
13	48	44	47	56	52	53	55	52	54	59	54	57	56	54	55	65	61	63
14	49	45	48	56	52	53	55	52	53	58	54	56	57	56	56	66	62	64
15	50	46	49	55	53	54	55	52	54	57	53	56	56	54	55	66	63	65
16	51	47	49	56	52	54	55	51	53	57	54	56	55	53	54	66	62	64
17	51	47	49	57	52	55	54	52	53	59	55	57	56	54	55	68	65	66
18	52	47	50	57	52	54	56	51	54	60	54	57	54	53	54	68	64	65
19	52	47	50	56	51	54	56	53	55	60	55	58	55	53	54	65	62	64
20	52	47	50	53	50	53	57	53	55	61	56	59	60	55	57	65	62	64
21	52	48	51	54	50	52	57	52	55	62	57	60	60	58	59	64	62	63
22	53	49	52	53	50	52	57	52	55	60	56	58	60	57	58	67	63	65
23	54	50	52	53	49	52	56	51	56	60	56	58	58	56	57	67	64	65
24	54	50	52	54	50	52	55	51	54	60	56	58	60	57	58	66	64	65
25	54	50	53	53	48	51	55	50	53	62	56	59	60	58	59	66	64	65
26	54	50	52	52	48	51	55	50	53	62	56	60	61	58	59	65	64	64
27	55	49	53	52	50	51	55	51	54	62	56	60	62	60	61	64	62	63
28	58	52	54	53	49	52	57	53	54	61	56	59	62	60	61	63	62	63
29	54	50	53	53	50	52	57	50	54	61	56	59				64	62	63
30	55	51	53	54	50	52	56	51	54	60	56	58				65	63	64
31	55	52	54				57	52	55	60	54	57				65	64	65

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	65	64	64	68	66	67	58	56	57	50	47	49	50	47	49	52	46	49
2	65	64	64	68	66	67	58	54	56	50	47	49	50	46	48	54	47	50
3	65	64	64	68	66	67	56	52	54	50	48	49	49	45	47	52	46	49
4	65	64	64	68	65	67	55	52	54	51	48	50	49	45	47	51	46	48
5	66	64	65	67	65	66	55	53	54	51	48	49	49	45	47	54	46	50
6	66	64	65	67	66	66	54	52	53	51	47	49	48	45	47	54	44	48
7	66	64	65	66	65	66	54	51	53	51	48	49	48	46	47	50	44	47
8	66	64	65	66	65	66	54	50	52	50	46	48	49	45	47	51	45	48
9	66	64	65	66	65	66	52	50	51	50	46	48	49	45	47	50	45	48
10	65	64	65	66	64	65	52	48	50	50	46	48	49	46	48	50	46	48
11	66	64	65	66	64	65	50	48	49	49	46	48	50	46	48	50	45	47
12	67	64	66	66	64	65	50	48	49	50	46	48	50	46	48	NR	NR	NR
13	68	65	67	66	64	65	50	48	49	50	46	48	49	46	48	NR	NR	NR
14	66	66	67	66	66	65	50	48	49	50	47	48	50	46	48	NR	NR	NR
15	68	66	67	65	63	64	51	48	49	50	47	48	50	46	48	NR	NR	NR
16	67	65	66	65	62	64	51	48	49	49	46	48	52	47	49	NR	NR	NR
17	67	65	66	65	63	64	51	48	49	49	47	48	52	46	50	50	44	47
18	68	66	67	64	62	63	50	48	49	49	47	48	54	48	51	50	44	47
19	68	66	67	64	61	63	50	48	49	50	46	48	53	47	50	49	44	47
20	68	66	67	63	60	61	50	48	49	50	46	48	51	47	49	50	44	47
21	68	66	67	62	60	61	50	48	49	50	47	49	51	47	49	50	44	47
22	68	66	67	62	60	61	51	48	50	50	46	49	51	46	49	50	45	48
23	68	66	67	61	58	60	51	48	50	49	46	48	51	46	49	50	44	47
24	68	66	67	60	58	59	51	48	50	49	46	48	51	46	49	49	44	47
25	68	66	67	60	58	59	50	47	49	49	46	48	52	46	49	49	44	47
26	68	66	67	59	57	58	50	47	49	50	46	48	51	46	49	48	44	46
27	68	66	67	59	57	58	50	48	49	50	46	48	51	47	49	50	44	47
28	68	66	67	59	57	58	50	47	48	50	47	49	51	46	49	50	44	47
29	68	66	67	59	57	58	50	46	48	50	48	49	51	46	48	50	45	47
30	68	66	67	59	57	58	50	46	48	50	47	49	51	46	49	50	45	48
31				58	56	57				50	47	49	51	46	49			

NR - No Record



## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A6 1265.00 SQUIRREL CREEK NEAR PENN VALLEY

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25 °C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	93	91	92	145	140	145	160	160	160	155	150	150	NR	NR	NR	160	155	155
2	94	92	93	150	145	150	165	160	165	155	150	155	67	47	56	155	150	150
3	95	93	94	155	150	150	165	120	155	160	155	160	70	40	59	155	150	155
4	96	95	95	155	150	155	145	125	135	165	160	165	96	70	89	160	155	160
5	96	96	96	155	150	150	155	145	150	165	165	165	105	88	96	160	155	160
6	98	96	97	155	150	150	170	155	165	165	60	90	115	105	110	155	145	150
7	99	98	99	155	135	150	175	170	175	100	59	80	120	115	115	145	74	95
8	100	99	100	150	145	150	170	165	165	93	49	69	115	60	85	95	62	78
9	100	98	99	150	150	150	165	160	165	130	93	115	72	41	55	120	95	110
10	105	99	100	155	150	150	160	160	160	150	130	140	86	46	66	130	120	125
11	100	100	100	155	150	155	165	160	160	150	150	150	110	86	100	140	130	135
12	100	98	98	155	150	155	165	160	160	160	135	155	115	33	87	145	140	145
13	99	96	97	160	150	155	165	155	160	165	160	160	70	36	48	145	130	140
14	98	96	97	160	155	155	160	155	155	165	165	165	88	70	78	135	105	125
15	98	96	97	160	150	155	160	155	160	165	165	165	105	88	97	125	72	115
16	96	94	95	150	145	150	160	155	155	165	165	165	115	105	110	105	60	84
17	100	96	99	150	150	150	165	155	160	170	165	165	120	115	120	125	105	115
18	105	100	100	155	150	155	165	160	165	170	170	170	125	120	125	130	125	125
19	105	105	105	160	155	155	160	160	160	175	170	170	125	81	110	130	70	110
20	105	105	105	160	155	160	165	155	160	170	170	170	110	84	100	120	92	110
21	105	105	105	160	135	150	165	160	160	175	170	170	120	110	115	125	43	105
22	105	105	105	155	140	150	165	155	160	175	175	175	130	120	125	98	50	78
23	110	105	105	160	155	155	160	155	160	175	175	175	135	130	135	115	98	110
24	110	110	110	160	155	160	165	160	160	180	175	180	140	135	135	115	43	100
25	125	110	115	170	140	150	165	160	165	180	180	180	140	140	140	82	40	60
26	120	115	120	145	135	140	165	160	160	180	180	180	145	140	145	105	82	96
27	120	115	120	150	145	145	160	85	150	180	175	180	150	145	150	115	105	115
28	135	115	125	170	150	160	110	73	96	175	175	175	155	150	150	120	115	115
29	130	120	125	170	165	165	135	96	120	175	170	175				125	120	125
30	130	130	130	165	160	160	145	135	140	175	170	175				130	125	130
31	145	125	135				150	145	150	NR	NR	NR				130	130	130

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	135	130	135	145	140	140	135	130	135	115	110	110	94	90	92	96	95	95
2	135	135	135	145	135	140	130	115	120	110	105	110	91	88	90	95	94	94
3	140	135	140	140	135	140	120	115	120	105	105	105	91	89	90	97	95	96
4	140	110	130	140	135	135	120	120	120	110	105	105	94	91	92	98	95	97
5	110	68	84	140	135	140	125	120	125	105	105	105	96	94	95	99	97	98
6	90	71	82	140	135	140	125	120	125	110	105	105	96	94	95	100	99	99
7	96	80	88	145	140	145	120	115	120	110	105	110	95	91	93	100	99	99
8	99	82	93	150	145	145	120	115	120	110	105	105	92	89	90	99	97	98
9	110	86	105	145	135	140	120	110	115	105	105	105	90	87	89	98	97	98
10	120	105	115	140	135	140	115	110	115	110	105	105	93	89	91	98	95	96
11	135	120	130	140	140	140	115	110	110	110	105	105	93	92	92	96	95	95
12	140	135	140	140	130	135	110	110	110	105	105	105	95	92	94	95	94	94
13	145	140	145	135	130	135	115	130	115	105	105	105	96	94	95	94	92	94
14	145	140	145	135	130	130	115	110	115	110	105	105	96	95	96	93	90	92
15	140	140	140	135	130	135	110	105	110	110	105	110	97	95	96	93	89	91
16	140	140	140	135	125	130	110	105	105	110	105	105	97	96	96	95	92	94
17	145	135	140	125	125	125	105	105	105	105	100	105	97	95	96	98	94	96
18	140	135	135	125	125	125	105	100	105	110	110	100	99	95	97	95	93	96
19	140	135	140	130	120	125	105	100	100	110	110	110	101	99	100	93	91	92
20	145	140	140	120	120	120	105	105	105	115	110	110	101	96	98	94	91	93
21	145	140	145	120	120	120	105	105	105	120	115	115	96	92	94	94	92	93
22	150	140	145	125	120	120	110	105	110	115	115	115	96	94	95	94	90	92
23	145	140	145	130	125	125	110	110	110	115	115	115	95	93	95	93	91	92
24	145	105	135	135	130	130	115	110	110	115	110	115	97	95	96	94	91	93
25	130	105	120	140	135	135	110	105	105	115	110	110	99	96	98	94	92	93
26	140	130	135	135	125	130	110	105	110	115	110	110	99	98	98	93	91	92
27	140	135	140	130	130	130	120	110	115	110	105	105	99	97	98	93	91	92
28	140	135	140	135	135	135	120	115	115	105	99	100	99	98	98	93	85	90
29	140	135	140	135	130	130	120	115	115	100	97	98	99	97	98	98	91	95
30	140	140	140	140	135	135	115	110	115	98	94	96	97	95	96	92	89	90
31				140	135	140				94	92	93	97	94	96			

TABLE D-8 (Cont.)

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A8 1120.00 CACHE CREEK NEAR CAPAY

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	430	420	420	640	620	630	850	850	850	1,180	1,110	1,140	1,050	900	1,010	690	680	685
2	440	430	440	650	640	640	850	850	850	1,110	1,050	1,080	900	440	570	700	690	695
3	450	440	450	680	650	670	850	810	830	1,050	1,050	1,050	580	420	510	715	700	705
4	460	450	460	700	680	690	1,040	850	940	1,050	1,050	1,050	600	500	550	740	715	730
5	470	460	460	700	700	700	1,150	900	1,040	1,050	1,050	1,050	555	495	520	740	740	740
6	470	470	470	720	700	710	990	910	960	1,060	1,050	1,050	650	555	600	740	730	735
7	480	470	470	720	720	720	1,070	980	1,020	1,060	1,060	1,060	700	470	610	830	775	610
8	480	480	480	720	720	720	1,070	1,000	1,050	1,250	1,060	1,190	470	350	420	370	250	310
9	480	480	480	730	720	720	1,000	950	980	1,250	1,140	1,180	350	265	300	420	370	400
10	480	480	480	760	730	730	960	940	950	1,250	1,060	1,150	360	290	320	470	380	450
11	480	480	480	750	740	750	940	930	940	1,060	1,050	1,050	465	360	410	380	280	300
12	490	480	490	750	750	750	930	920	930	1,080	1,060	1,070	490	350	440	310	300	305
13	490	490	490	760	750	760	930	920	920	1,060	1,050	1,050	405	250	290	315	310	310
14	500	490	500	770	760	770	920	920	920	1,050	1,040	1,050	405	310	360	360	315	330
15	500	500	500	780	770	780	920	920	920	1,050	1,040	1,040	480	405	440	390	360	375
16	500	500	500	790	780	790	950	920	930	1,040	1,020	1,030	540	480	510	470	390	430
17	510	500	500	790	790	790	960	950	960	1,020	1,020	1,020	580	540	560	480	310	440
18	520	510	520	800	790	790	960	950	960	1,030	1,020	1,020	620	580	600	390	265	315
19	520	520	520	810	800	800	950	940	940	1,040	1,030	1,030	560	620	640	300	275	290
20	530	520	540	810	810	810	940	930	930	1,050	1,040	1,050	650	510	580	310	295	300
21	560	550	560	810	810	810	950	930	930	1,070	1,050	1,060	510	500	500	310	255	295
22	560	560	560	820	810	820	1,000	950	980	1,070	1,060	1,070	540	510	530	300	210	260
23	560	560	560	830	820	820	1,000	1,000	1,000	1,060	1,050	1,060	580	540	560	320	300	310
24	560	560	560	840	830	840	1,040	1,000	1,020	1,050	1,050	1,050	610	580	600	320	320	320
25	560	560	560	840	840	840	1,040	1,040	1,040	1,050	1,050	1,050	640	610	625	320	280	300
26	570	560	570	840	840	840	1,040	1,040	1,040	1,060	1,050	1,050	660	630	645	300	280	290
27	570	570	570	840	840	840	1,040	1,010	1,030	1,060	1,060	1,060	660	660	660	300	300	300
28	580	570	570	850	840	850	1,070	980	1,020	1,070	1,060	1,070	680	660	670	300	280	280
29	510	580	590	850	850	850	1,110	1,060	1,100	1,070	1,070	1,070				305	300	300
30	600	590	600	850	850	850	1,140	1,110	1,120	1,070	1,060	1,070				310	305	305
31	620	600	610				1,210	1,100	1,180	1,060	1,050	1,060				310	310	310

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	300	295	295	515	430	480	310	310	310	300	175	280	300	285	290	NR	NR	NR
2	295	295	295	460	450	455	310	310	310	300	250	290	300	285	290	NR	NR	NR
3	295	295	295	450	420	430	320	310	310	425	175	300	305	290	300	NR	NR	NR
4	300	295	295	420	420	420	310	310	310	325	200	305	340	300	310	NR	NR	NR
5	300	300	300	420	420	420	320	310	310	325	315	320	340	290	310	NR	NR	NR
6	300	300	300	420	420	420	320	310	320	330	315	325	310	295	300	NR	NR	NR
7	300	300	300	420	410	420	320	310	320	335	325	330	NR	NR	NR	NR	NR	NR
8	300	300	300	410	390	400	320	300	310	325	310	315	NR	NR	NR	NR	NR	NR
9	335	300	310	390	390	390	300	290	295	315	295	310	NR	NR	NR	NR	NR	NR
10	540	335	460	390	380	380	290	290	290	310	300	305	NR	NR	NR	NR	NR	NR
11	655	540	610	380	380	380	290	290	290	310	295	305	NR	NR	NR	NR	NR	NR
12	680	655	670	380	370	370	NR	NR	NR	310	290	300	NR	NR	NR	NR	NR	NR
13	700	680	690	370	370	370	NR	NR	NR	310	290	300	NR	NR	NR	NR	NR	NR
14	710	700	710	370	370	370	NR	NR	NR	305	295	300	NR	NR	NR	NR	NR	NR
15	720	710	710	370	370	370	NR	NR	NR	310	270	285	NR	NR	NR	NR	NR	NR
16	730	720	720	370	370	370	NR	NR	NR	295	280	290	NR	NR	NR	NR	NR	NR
17	730	450	660	370	360	360	NR	NR	NR	300	295	300	NR	NR	NR	NR	NR	NR
18	450	350	390	360	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
19	350	340	345	350	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
20	550	350	460	350	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
21	680	550	640	355	350	355	NR	NR	NR	320	295	300	NR	NR	NR	NR	NR	NR
22	720	680	700	355	355	355	NR	NR	NR	305	285	295	NR	NR	NR	NR	NR	NR
23	750	720	735	355	350	355	NR	NR	NR	300	285	295	NR	NR	NR	NR	NR	NR
24	760	750	750	350	350	350	NR	NR	NR	300	285	295	NR	NR	NR	NR	NR	NR
25	750	670	710	350	350	350	NR	NR	NR	300	280	290	NR	NR	NR	NR	NR	NR
26	670	600	650	360	350	355	NR	NR	NR	295	280	290	NR	NR	NR	500	365	380
27	600	590	600	360	360	360	305	295	300	300	280	290	NR	NR	NR	385	370	380
28	590	560	570	360	350	350	310	290	300	300	285	290	NR	NR	NR	445	245	380
29	570	540	560	350	320	335	305	290	300	300	285	290	NR	NR	NR	455	365	380
30	540	500	520	320	310	315	305	290	295	305	285	290	NR	NR	NR	390	270	370
31				310	310	310				300	290	290	NR	NR	NR			

NR - No Record

TABLE D-8 (Cont.)

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2105.00 MOKELUMNE RIVER AT WOODBRIDGE

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	46	46	46	43	43	43	41	41	41	NR	NR	NR	46	46	46	46	45	45
2	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	45	45
3	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	45	45
4	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	44	44
5	46	46	46	43	43	43	41	41	41	43	43	43	48	46	46	46	45	45
6	46	46	46	43	42	42	41	41	41	43	43	43	53	48	51	46	46	46
7	46	46	46	42	42	42	41	41	41	43	43	43	53	49	51	46	46	46
8	46	45	45	42	42	42	41	41	41	43	43	43	49	48	48	46	46	46
9	45	45	45	42	42	42	41	41	41	43	43	43	48	46	47	46	46	46
10	45	45	45	42	42	42	42	41	41	43	43	43	69	44	55	46	46	46
11	45	45	45	42	42	42	42	42	42	43	43	43	78	69	74	46	45	45
12	45	45	45	42	42	42	42	42	42	43	43	43	78	73	76	45	45	45
13	45	45	45	42	42	42	42	42	42	43	43	43	73	58	66	45	43	44
14	45	45	45	42	42	42	42	42	42	43	43	43	58	53	54	43	43	43
15	45	44	44	42	42	42	42	42	42	43	43	43	71	53	59	45	43	43
16	44	44	44	42	42	42	42	42	42	43	43	43	73	66	71	57	43	50
17	44	44	44	42	42	42	42	42	42	43	43	43	66	51	56	44	44	44
18	44	44	44	42	42	42	NR	NR	NR	43	43	43	51	47	49	44	41	43
19	44	44	44	42	42	42	NR	NR	NR	43	43	43	47	46	46	41	41	41
20	44	44	44	42	42	42	NR	NR	NR	43	43	43	46	45	46	41	41	41
21	44	44	44	42	42	42	NR	NR	NR	43	43	43	45	45	45	41	41	41
22	44	44	44	42	41	41	NR	NR	NR	43	43	43	45	45	45	41	41	41
23	44	44	44	41	41	41	NR	NR	NR	43	43	43	46	45	45	42	41	42
24	44	44	44	41	41	41	NR	NR	NR	43	43	43	46	46	46	42	42	42
25	44	43	43	41	41	41	NR	NR	NR	43	43	43	46	46	46	42	42	42
26	43	43	43	41	41	41	NR	NR	NR	46	43	46	46	46	46	42	42	42
27	43	43	43	41	41	41	NR	NR	NR	46	46	46	46	45	46	42	42	42
28	43	43	43	41	41	41	NR	NR	NR	46	46	46	45	45	45	42	42	42
29	43	43	43	41	41	41	NR	NR	NR	46	46	46				42	42	42
30	43	43	43	41	41	41	NR	NR	NR	46	46	46				42	42	42
31	43	43	43				NR	NR	NR	46	46	46				42	42	42

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	42	42	42	46	46	46	48	48	48	48	48	48	47	47	47	45	45	45
2	42	42	42	46	46	46	48	48	48	48	47	47	47	47	47	45	45	45
3	42	42	42	46	46	46	48	48	48	48	47	47	47	47	47	45	45	45
4	43	42	42	46	46	46	48	47	47	47	47	47	47	47	47	45	45	45
5	43	43	43	46	46	46	47	47	47	47	46	47	47	47	47	45	45	45
6	43	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	45	46
7	43	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
8	45	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
9	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
10	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	46	46
11	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
12	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
13	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
14	46	45	46	46	46	46	48	47	47	46	46	46	46	46	46	47	47	47
15	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
16	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
17	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
18	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
19	46	46	46	46	46	46	49	48	48	46	46	46	46	46	46	47	46	46
20	46	46	46	47	46	47	49	49	49	46	46	46	46	46	46	46	46	46
21	46	46	46	47	47	47	49	49	49	46	46	46	46	46	46	46	46	46
22	46	46	46	47	47	47	49	49	49	46	46	46	46	45	45	46	46	46
23	46	46	46	47	47	47	49	49	49	46	46	46	46	45	45	46	46	46
24	46	46	46	48	47	47	49	49	49	46	46	46	46	45	45	46	46	46
25	46	46	46	48	48	48	49	49	49	46	46	46	45	45	45	46	46	46
26	46	46	46	48	48	48	49	49	49	46	46	46	45	44	44	46	46	46
27	46	46	46	48	48	48	49	49	49	46	46	46	44	44	44	46	46	46
28	46	46	46	48	48	48	49	48	48	46	46	46	44	44	44	46	46	46
29	46	46	46	48	48	48	48	48	48	46	46	46	44	44	44	46	46	46
30	46	46	46	48	48	48	48	48	48	46	46	46	45	44	44	46	46	46
31				48	48	48				47	46	46	45	45	45			

NR - No Record

TABLE D-8 (Cont.)

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2580.00 STOCKTON DIVERTING CANAL AT STOCKTON

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	210	200	205	270	250	255	220	220	220	200	195	195	420	205	235	200	200	200
2	210	200	205	260	240	250	230	220	225	200	195	200	270	195	210	200	200	200
3	210	205	210	245	235	240	240	220	220	205	195	200	275	155	190	860	200	220
4	215	210	215	260	245	255	250	225	230	210	205	210	370	185	200	370	200	220
5	220	210	215	255	240	245	225	225	225	215	205	210	220	160	180	810	205	270
6	220	210	215	240	225	235	225	225	225	220	210	215	180	170	175	255	205	210
7	220	220	220	225	220	220	225	225	225	220	215	220	275	175	190	430	205	225
8	215	200	210	220	210	215	245	225	235	395	220	315	235	165	185	320	120	160
9	215	205	210	210	210	210	250	245	245	385	280	335	205	145	170	180	120	155
10	220	205	210	215	210	215	255	250	250	280	235	250	170	120	145	190	180	185
11	220	205	210	255	215	220	260	255	255	230	215	220	180	125	160	190	190	190
12	215	215	215	265	215	220	260	260	260	215	210	215	235	135	145	190	190	190
13	220	215	215	215	215	215	265	260	265	215	210	210	190	125	145	200	145	180
14	225	215	220	630	215	230	265	265	265	210	210	210	150	140	155	155	115	135
15	230	205	215	280	220	225	265	265	265	220	210	215	155	150	155	175	145	165
16	230	205	215	220	220	220	265	260	260	225	220	220	165	155	160	180	160	170
17	245	230	235	220	220	220	260	255	255	225	225	225	175	165	170	185	170	180
18	250	245	250	225	220	225	255	255	255	225	225	225	190	175	185	190	185	185
19	250	250	250	220	220	220	260	255	255	225	225	225	580	190	230	190	190	190
20	265	250	260	220	220	220	255	250	250	225	225	225	200	190	200	190	175	190
21	NP	NP	NP	230	215	220	250	250	250	225	225	225	220	190	210	190	185	190
22	NP	NP	NP	235	220	225	245	245	245	225	225	225	230	205	225	185	150	165
23	260	255	255	220	220	220	245	240	240	225	220	220	205	195	200	190	155	180
24	300	255	275	225	220	225	235	230	230	225	220	225	195	195	195	185	175	185
25	290	220	250	225	225	225	230	225	225	225	225	225	195	195	195	185	155	170
26	220	215	220	225	220	225	215	215	215	235	220	225	200	195	200	185	180	185
27	225	215	220	220	220	220	215	215	215	270	235	235	205	200	200	185	185	185
28	310	225	265	220	220	220	215	210	215	240	230	235	205	200	200	185	185	185
29	300	235	250	225	220	220	215	210	210	230	225	230				185	185	185
30	240	225	235	225	220	220	205	205	205	225	200	200				190	185	190
31	250	235	245				205	205	205	NR	NR	NR				195	190	195

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	200	195	200	NR	NR	NR	215	215	215	205	190	195	210	180	195	195	185	190
2	200	200	200	320	220	240	215	210	210	210	190	200	195	180	190	440	190	220
3	205	200	205	235	230	235	225	215	220	205	185	195	195	185	190	205	195	200
4	400	205	230	230	220	225	220	220	220	205	195	200	190	185	190	205	195	200
5	280	215	225	230	220	225	215	210	215	210	195	200	195	190	195	205	185	195
6	225	215	220	230	220	230	205	205	205	210	190	200	205	195	200	205	195	200
7	270	205	210	760	230	355	200	200	200	205	200	200	205	195	200	205	200	205
8	285	205	215	285	230	245	190	185	190	205	195	200	200	185	190	205	195	200
9	220	215	215	245	230	240	185	180	185	200	185	195	190	180	185	205	185	195
10	240	215	215	250	215	235	820	185	250	200	195	195	185	175	180	190	180	185
11	215	205	210	240	195	220	195	190	190	200	185	190	195	165	190	195	185	190
12	210	210	210	250	210	235	195	185	190	190	190	190	550	190	220	205	195	200
13	215	210	215	610	225	255	195	195	195	195	185	190	195	185	190	205	195	200
14	320	215	220	225	205	210	200	190	195	580	185	195	195	190	190	200	185	190
15	485	215	225	205	190	200	200	195	200	185	180	185	200	190	195	205	195	200
16	225	215	220	205	190	195	195	195	195	605	175	195	215	200	205	210	200	205
17	220	215	215	205	190	200	195	190	190	175	175	175	215	200	205	215	210	215
18	225	220	220	200	195	200	190	190	190	175	170	175	1000+	205	NR	215	210	215
19	225	220	220	200	195	195	195	190	190	175	175	175	205	195	200	215	200	205
20	225	220	220	205	200	205	190	190	190	185	170	175	195	195	195	205	195	200
21	225	215	220	215	205	205	190	185	185	185	180	180	200	185	195	200	185	195
22	NP	NP	NP	205	195	200	190	180	185	185	180	180	205	190	195	435	185	220
23	NP	NP	NP	210	195	205	200	190	195	190	180	185	205	195	200	345	195	220
24	NP	NP	NP	215	205	210	200	195	195	190	180	185	215	195	205	210	185	200
25	NP	NP	NP	210	205	210	210	200	205	630	190	250	215	200	210	295	180	205
26	NP	NP	NP	230	205	210	216	205	210	195	185	190	210	200	205	195	180	190
27	NP	NP	NP	925	200	235	860	210	345	190	180	185	210	200	205	195	185	190
28	NP	NP	NP	210	205	205	930	210	435	190	180	185	210	180	195	200	185	190
29	NP	NP	NP	220	210	210	230	210	220	190	185	190	190	185	190	200	185	190
30	NP	NP	NP	225	220	220	210	200	205	185	180	185	190	180	185	295	190	210
31				220	220	220				345	185	215	190	180	185			

NP - No Flow  
NR - No Record

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B1 1150.00 COSUMNES RIVER AT MICHIGAN BAR

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	81	77	79	79	71	74	82	82	82	113	109	111	94	87	90	80	76	78
2	82	77	80	83	74	77	84	82	83	109	107	109	108	81	95	76	70	73
3	82	77	80	81	74	77	107	82	91	111	107	109	113	96	105	70	68	69
4	82	77	80	81	76	78	114	90	104	110	107	109	119	93	110	68	67	68
5	81	77	80	80	77	78	90	74	79	110	101	104	110	105	108	74	68	70
6	82	77	80	94	77	81	76	73	75	116	99	105	113	111	112	78	72	74
7	82	76	80	98	77	82	80	76	78	128	102	111	119	113	115	74	63	70
8	81	76	79	91	80	84	85	80	82	120	95	106	117	111	114	64	57	61
9	81	76	78	93	86	85	87	85	85	95	85	88	111	59	79	66	62	64
10	78	76	77	90	80	84	89	87	88	90	85	87	75	63	69	69	66	67
11	79	75	77	84	80	82	92	89	91	93	90	92	84	75	79	71	69	70
12	78	75	76	83	81	82	95	92	93	94	93	93	93	84	86	71	71	71
13	81	75	77	85	81	83	96	95	96	95	94	95	94	83	91	84	70	76
14	81	67	77	86	82	84	96	94	95	96	95	96	86	84	85	94	84	90
15	83	76	79	86	82	83	94	91	92	96	96	96	86	84	85	100	94	95
16	85	80	82	84	84	84	93	92	93	96	96	96	87	86	86	101	86	92
17	85	72	84	84	84	84	95	93	94	96	94	95	87	86	87	92	92	92
18	85	72	79	95	84	90	95	94	94	94	94	94	89	87	88	92	92	92
19	78	74	77	96	94	95	94	92	93	94	94	94	110	89	97	92	90	91
20	78	76	77	95	89	92	94	92	93	94	92	93	104	84	93	90	82	84
21	76	75	75	89	89	89	94	92	94	93	91	92	84	84	84	92	77	81
22	76	74	75	96	82	90	94	94	94	91	89	90	85	83	84	92	76	81
23	77	74	75	82	78	79	94	92	93	90	88	89	86	85	85	86	84	85
24	78	73	75	78	75	76	92	89	91	88	87	88	86	86	86	92	86	89
25	77	73	75	77	75	76	93	89	91	88	87	88	86	86	86	89	52	62
26	77	72	74	78	77	77	98	92	95	88	87	88	86	86	86	62	58	60
27	100	72	78	78	76	77	97	94	96	88	86	87	86	83	84	62	61	62
28	75	73	74	79	77	78	112	96	101	86	85	85	83	80	81	62	61	62
29	78	71	74	90	79	80	112	102	108	85	85	85				62	62	62
30	73	71	72	82	80	81	112	102	107	87	85	86				64	62	63
31	74	70	71				109	107	108	88	86	87				64	62	63

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	62	60	61	50	49	50	32	32	32	48	48	48	60	60	60	65	63	64
2	62	60	61	50	48	49	32	32	32	48	48	48	60	60	60	66	64	65
3	62	62	62	48	46	47	32	32	32	48	48	48	60	59	60	68	63	65
4	85	62	68	47	46	46	33	32	33	49	48	48	60	59	60	66	62	64
5	88	77	81	46	46	46	33	33	33	49	48	48	60	59	60	66	64	65
6	78	78	78	47	46	46	33	33	33	49	48	48	60	60	60	68	64	65
7	80	78	79	47	47	47	34	32	33	49	48	48	62	60	60	70	64	66
8	82	80	81	47	46	47	33	32	33	50	49	49	62	60	61	71	67	69
9	80	78	79	46	44	45	34	33	34	50	49	50	62	61	61	71	66	69
10	78	77	77	44	42	42	35	34	34	50	50	50	64	62	62	74	68	71
11	77	77	77	41	40	40	35	35	35	50	50	50	64	64	64	74	68	71
12	77	74	75	40	38	39	35	35	35	51	50	50	64	63	64	74	69	71
13	74	73	74	38	36	37	36	35	35	52	51	51	64	63	63	72	67	70
14	74	71	73	36	34	35	36	36	36	53	52	52	64	62	63	70	67	69
15	74	68	71	35	33	34	36	36	36	54	53	53	64	62	63	72	62	68
16	68	68	68	36	35	35	37	36	36	54	52	53	64	62	63	74	60	68
17	68	68	68	36	35	36	38	37	37	56	53	54	65	63	64	72	61	67
18	68	67	67	35	33	34	39	38	38	55	55	55	70	64	67	76	63	70
19	68	68	68	33	32	33	40	39	39	56	54	55	70	65	67	78	65	73
20	68	68	68	34	33	33	41	40	40	55	55	55	66	62	63	79	62	71
21	68	66	67	36	34	35	42	41	42	56	55	56	62	58	60	76	62	69
22	66	61	64	38	36	37	43	42	42	57	56	56	59	58	59	76	61	70
23	61	60	60	38	37	37	44	43	44	57	56	56	61	59	60	78	60	70
24	66	59	63	37	36	36	44	44	44	57	57	57	63	61	61	76	57	68
25	64	50	54	36	34	35	44	44	44	57	56	57	63	62	62	76	58	68
26	50	50	50	35	34	34	45	44	44	57	56	56	62	62	62	74	57	65
27	50	50	50	34	34	34	46	45	46	57	57	57	64	62	63	65	46	57
28	50	50	50	34	33	34	46	46	46	58	57	58	64	62	63	63	46	56
29	50	50	50	34	32	32	47	46	46	60	58	59	64	62	63	61	45	54
30	50	49	49	34	32	33	48	47	48	60	60	60	64	63	63	62	45	54
31				32	32	32				61	60	60	66	63	64			

TABLE D-8 (Cont.)

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 747.4 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	370	350	360	600	390	480	440	390	410	570	530	550
2	NR	NR	NR	NR	NR	NR	350	330	340	430	390	400	470	390	430	600	570	590
3	NR	NR	NR	NR	NR	NR	330	330	330	620	430	530	570	470	530	590	530	560
4	NR	NR	NR	NR	NR	NR	330	300	310	630	370	480	730	570	670	600	540	570
5	NR	NR	NR	NR	NR	NR	370	310	340	390	340	360	710	320	460	600	480	520
6	NR	NR	NR	NR	NR	NR	380	360	370	410	380	390	320	260	290	520	470	490
7	NR	NR	NR	NR	NR	NR	360	300	320	600	410	510	290	250	260	520	470	490
8	NR	NR	NR	NR	NR	NR	320	310	310	620	350	460	250	250	250	510	490	500
9	NR	NR	NR	NR	NR	NR	330	320	330	380	340	360	290	250	280	500	460	470
10	NR	NR	NR	NR	NR	NR	340	330	330	390	350	370	340	290	320	490	440	470
11	NR	NR	NR	NR	NR	NR	330	330	330	390	340	360	350	340	350	450	430	440
12	NR	NR	NR	NR	NR	NR	340	330	340	380	340	360	350	320	340	430	390	400
13	NR	NR	NR	420	410	420	360	340	350	380	330	360	330	280	310	400	380	390
14	NR	NR	NR	440	420	430	370	360	360	510	370	440	280	240	260	430	390	410
15	NR	NR	NR	430	420	420	380	370	380	510	310	390	270	240	250	430	380	410
16	NR	NR	NR	440	420	430	380	360	380	340	300	330	300	270	290	400	380	390
17	NR	NR	NR	420	400	410	390	380	380	350	310	320	320	300	310	380	360	370
18	NR	NR	NR	410	400	400	440	390	420	360	320	340	370	320	350	390	360	370
19	NR	NR	NR	400	400	400	450	440	450	400	370	380	400	370	380	400	380	390
20	NR	NR	NR	400	390	400	460	450	460	420	370	380	400	370	380	380	360	370
21	NR	NR	NR	430	400	410	460	450	460	620	420	530	390	370	380	370	350	360
22	470	470	470	440	430	430	460	440	450	630	390	480	390	380	380	380	360	360
23	470	390	440	430	430	430	550	460	520	420	380	400	400	360	380	380	350	360
24	390	330	360	440	430	430	610	550	590	420	370	400	430	400	420	390	350	370
25	330	320	330	430	400	420	610	520	580	450	400	420	490	430	460	390	350	370
26	330	320	320	400	380	390	520	440	490	470	420	440	490	400	430	350	320	330
27	330	310	320	380	360	370	590	450	520	520	470	490	450	400	420	330	310	320
28	340	330	330	360	360	360	600	410	500	730	520	630	530	450	480	320	310	310
29	350	320	340	370	360	360	420	380	400	730	430	840	770	600	710	310	300	310
30	NR	NR	NR	380	360	370	440	400	420	450	400	430	770	650	680	320	300	310
31	NR	NR	NR				600	430	520	450	390	420				330	310	320

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	380	330	350	690	640	670	320	260	300	680	640	670	700	610	680	675	590	630
2	400	380	380	700	680	690	260	230	240	730	600	700	730	690	710	620	590	605
3	460	400	420	750	690	720	230	190	210	770	700	730	740	705	725	620	585	605
4	510	460	480	740	510	650	190	180	190	790	735	760	770	675	730	620	580	600
5	540	510	530	510	440	480	210	180	190	750	690	725	770	710	745	640	590	610
6	540	530	540	450	430	440	220	210	210	760	690	730	765	720	745	615	550	585
7	540	500	530	450	430	440	210	190	200	730	660	700	750	705	730	550	440	495
8	500	480	490	440	400	420	200	180	190	710	670	690	720	675	695	550	440	495
9	490	390	430	430	400	410	210	200	200	740	650	690	705	650	685	440	380	395
10	400	380	390	420	400	400	200	160	180	720	650	680	710	650	680	420	400	410
11	390	370	380	470	410	440	180	160	170	730	700	720	665	650	660	430	420	425
12	380	360	370	460	430	440	200	180	190	810	730	750	660	640	650	NR	NR	NR
13	420	380	400	470	420	440	220	200	210	810	740	770	670	630	640	NR	NR	NR
14	440	420	430	470	390	420	220	170	200	810	710	740	680	660	670	NR	NR	NR
15	460	440	450	430	390	410	170	150	160	770	740	760	715	660	690	NR	NR	NR
16	510	460	480	420	390	400	170	160	170	840	760	800	720	685	705	NR	NR	NR
17	570	510	540	400	380	390	160	150	150	830	750	790	730	700	715	NR	NR	NR
18	590	570	580	380	360	370	150	150	150	850	760	790	710	620	670	NR	NR	NR
19	610	580	600	360	340	350	170	150	160	810	740	775	620	540	570	NR	NR	NR
20	620	580	600	340	340	340	250	170	210	770	720	740	540	460	500	430	410	420
21	580	520	550	340	320	330	360	210	290	760	690	720	495	455	475	410	390	400
22	540	520	520	330	320	320	430	360	400	820	670	720	525	495	515	420	410	410
23	590	540	570	340	320	330	380	430	460	860	780	820	530	520	525	420	400	410
24	590	580	580	350	330	340	520	480	500	780	755	765	525	510	520	410	390	400
25	630	590	610	350	310	340	530	510	520	760	690	730	525	505	515	390	380	380
26	640	620	630	330	320	320	570	530	550	690	650	670	595	525	560	380	370	380
27	660	620	640	320	300	310	600	570	590	705	675	695	640	595	620	NR	NR	NR
28	620	590	610	320	310	310	650	600	630	705	650	675	625	600	615	NR	NR	NR
29	600	590	600	330	320	320	650	620	640	725	665	705	630	620	625	NR	NR	NR
30	640	600	630	320	310	320	660	620	640	740	690	720	665	630	650	NR	NR	NR
31				330	310	320				720	665	690	680	650	670			

NR - No Record



TABLE D-8 (Cont.)

## DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

89 D 757.8 121.9 STOCKTON SNIP CHANNEL AT BURNS CUTOFF

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	410	400	410	370	340	355	370	310	355	450	400	430	530	480	510	415	410	415
2	415	410	410	340	330	335	375	320	350	450	400	430	485	440	465	440	415	425
3	420	410	415	NR	NR	NR	380	340	360	500	450	470	440	430	435	490	440	460
4	415	405	410	NR	NR	NR	370	320	350	500	470	480	430	400	420	530	470	495
5	410	405	410	NR	NR	NR	350	310	330	480	460	470	490	420	450	530	510	520
6	430	410	420	NR	NR	NR	330	240	310	510	460	480	580	470	520	540	530	535
7	430	420	425	NR	NR	NR	360	280	325	490	460	480	560	350	450	555	520	540
8	430	420	425	NR	NR	NR	370	260	355	480	460	470	360	280	330	530	480	510
9	450	430	440	NR	NR	NR	340	300	320	490	470	480	280	260	270	480	270	390
10	460	440	450	NR	NR	NR	320	280	310	500	450	475	300	260	280	430	380	400
11	470	450	460	NR	NR	NR	340	300	320	480	430	465	295	270	280	400	360	380
12	480	460	475	NR	NR	NR	340	280	320	430	400	415	310	290	305	400	280	370
13	500	480	485	NR	NR	NR	330	270	320	400	380	390	315	290	305	410	330	370
14	530	490	510	NR	NR	NR	340	310	325	390	380	385	290	250	270	375	320	320
15	520	490	505	NR	NR	NR	350	310	330	390	380	385	250	220	235	350	230	310
16	490	450	470	NR	NR	NR	360	320	340	400	380	390	245	225	235	370	240	320
17	460	450	450	NR	NR	NR	370	280	350	450	400	430	270	240	255	340	240	300
18	480	455	465	NR	NR	NR	390	360	375	400	365	380	300	260	280	340	220	310
19	510	480	495	NR	NR	NR	390	310	370	370	350	360	350	300	320	330	220	280
20	520	500	510	410	340	390	415	360	390	360	350	355	365	340	350	360	240	320
21	500	485	490	400	350	375	440	400	420	365	355	360	380	365	375	360	260	310
22	510	490	500	410	310	380	450	390	425	375	365	365	370	360	365	340	220	300
23	530	505	520	400	360	390	450	390	430	470	370	410	370	340	355	310	210	270
24	525	515	520	420	370	390	450	380	420	480	410	450	370	310	350	300	205	250
25	520	465	500	425	310	380	460	380	420	450	420	440	375	325	360	320	180	250
26	480	390	430	430	300	400	490	390	330	420	405	410	405	360	380	330	210	270
27	395	365	380	420	310	390	490	400	440	410	400	405	435	400	415	270	180	230
28	365	355	360	420	370	390	510	420	460	425	410	420	430	405	420	280	180	230
29	365	355	360	400	340	380	510	450	475	450	425	430				NR	NR	NR
30	380	355	370	390	320	370	530	420	480	510	450	470				NR	NR	NR
31	390	360	375				490	400	450	570	505	530				NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	530	515	525	NR	NR	NR	455	405	425	NR	NR	NR	NR	NR	NR
2	NR	NR	NR	570	520	550	NR	NR	NR	470	425	450	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	540	530	535	NR	NR	NR	485	440	470	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	560	530	540	NR	NR	NR	485	435	460	NR	NR	NR	NR	NR	NR
5	395	360	375	560	535	540	NR	NR	NR	490	440	470	NR	NR	NR	NR	NR	NR
6	NR	NR	NR	580	550	565	NR	NR	NR	505	450	480	NR	NR	NR	NR	NR	NR
7	NR	NR	NR	575	520	555	NR	NR	NR	530	450	500	NR	NR	NR	NR	NR	NR
8	475	440	460	545	485	520	NR	NR	NR	520	465	495	NR	NR	NR	590	570	580
9	485	455	470	520	460	480	NR	NR	NR	NR	NR	NR	NR	NR	NR	600	575	585
10	470	465	465	475	450	465	NR	NR	NR	NR	NR	NR	NR	NR	NR	595	580	590
11	465	405	430	460	420	445	NR	NR	NR	NR	NR	NR	NR	NR	NR	605	585	595
12	415	375	395	445	425	435	NR	NR	NR	NR	NR	NR	NR	NR	NR	610	590	600
13	390	370	380	435	410	420	NR	NR	NR	NR	NR	NR	NR	NR	NR	610	590	600
14	375	355	365	425	415	415	NR	NR	NR	NR	NR	NR	NR	NR	NR	600	560	580
15	360	350	355	430	420	425	NR	NR	NR	NR	NR	NR	NR	NR	NR	585	535	565
16	390	350	370	450	410	425	NR	NR	NR	NR	NR	NR	NR	NR	NR	560	515	540
17	410	390	400	430	395	410	175	165	170	NR	NR	NR	NR	NR	NR	535	510	525
18	455	410	430	425	390	405	180	165	170	NR	NR	NR	NR	NR	NR	520	485	500
19	460	440	450	400	375	385	185	165	175	NR	NR	NR	NR	NR	NR	500	475	490
20	490	460	475	390	345	375	180	165	175	NR	NR	NR	NR	NR	NR	490	460	475
21	515	470	490	370	340	350	200	180	190	NR	NR	NR	NR	NR	NR	475	455	465
22	515	490	505	370	340	350	210	195	200	NR	NR	NR	NR	NR	NR	465	455	460
23	535	505	520	355	325	340	240	205	225	NR	NR	NR	NR	NR	NR	475	460	465
24	540	515	525	340	325	330	290	230	260	NR	NR	NR	NR	NR	NR	470	455	465
25	530	520	525	340	330	335	330	250	295	NR	NR	NR	NR	NR	NR	460	450	455
26	525	500	515	340	340	340	345	285	320	NR	NR	NR	NR	NR	NR	450	420	440
27	530	490	515	350	335	340	395	310	345	NR	NR	NR	NR	NR	NR	420	405	415
28	530	495	515	350	305	330	405	360	375	NR	NR	NR	NR	NR	NR	410	390	400
29	550	505	515	310	290	300	430	385	400	NR	NR	NR	NR	NR	NR	405	380	395
30	545	510	520	310	295	305	440	400	425	NR	NR	NR	NR	NR	NR	405	385	395
31				310	300	305				NR	NR	NR	NR	NR	NR			

NR = No Record



TABLE D-9  
BIOLOGICAL ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

- 2163 - California Department of Water Resources for State  
Water Resources Control Board
- 5050 - California Department of Water Resources
- 5060 - California Department of Health

Abbreviations

- TIME - Pacific Standard Time on a 24-hour clock
- DEPTH - Depth in metres at which sample was collected
- SAMP - Sampling Agency
- LAB - Laboratory performing analysis
- < - Less than indicated value

TABLE D-9  
BIOLOGICAL ANALYSIS OF SURFACE WATER

STATION NUMBER	STATION NAME	DATE	TIME	DEPTH	SAMP	PHOTOSYNTHETIC			BACTERIA			
						CHLORO- PHYLL-a	PHEO- PHYTTIN	LAB.	COLIFORM	FECAL COLIFORM	FECAL STREPT	LAB.
						mg/l	mg/l		Most Probable No./100 ml			
AO 7140.10	AMERICAN RIVER AT SACRAMENTO WATER PL	08-19-74	0845		2163				23000	23	620	5060
		02-04-75	1020		2163				23000	4300	430	5060
		02-18-75	1030		2163				230	62	<4.5	5060
		03-04-75	0900		2163				620	62	4.6	5060
		03-18-75	0830		2163				620	23	230	5060
		04-08-75	0845		2163				620	6	62	5060
		04-22-75	0815		2163				620	4.5	6	5060
		05-06-75	0910		2163				62	23	6	5060
		05-20-75	0850		2163	0.0008		5050	230	4.6	62	5060
		06-10-75	0915		2163				2300	6	23	5060
		06-24-75	0900		2163	0.0007		5050	2300	230	23	5060
		07-08-75	0845		2163				620	62	23	5060
		07-22-75	0930		2163	0.0011	0.0000	5050	620	62	230	5060
		08-05-75	0900		2163				230	230	62	5060
		08-19-75	0915		2163	0.0003	0.0013	5050	6200	1300	13	5060
		09-02-75	0845		2163				620	23	<4.5	5060
		09-16-75	0900		2163	0.0020	0.0000	5050	490	50	13	5060
AO 7180.00	AMERICAN RIVER BELOW NIMBUS DAM	08-19-74	0945		2163				23000	23	21	5060
		02-04-75	0930		2163				7300	930	930	5060
		02-18-75	0930		2163				620	6	62	5060
		03-04-75	0830		2163				62	23	<4.5	5060
		03-18-75	0730		2163				62	62	23	5060
		04-08-75	0800		2163				62	23	23	5060
		04-22-75	0945		2163				230	6	<4.5	5060
		05-06-75	0820		2163				62	6	6	5060
		05-20-75	0800		2163	0.0008			620	<4.5	6	5060
		06-10-75	0815		2163				230	6	23	5060
		06-24-75	0800		2163	0.0006			62	23	<4.5	5060
		07-08-75	0800		2163				620	6	23	5060
		07-22-75	0800		2163	0.0007	0.0000	5050	23	6	6	5060
		08-05-75	0745		2163				62	6	6	5060
		08-19-75	0815		2163	0.0020	0.0016	5050	620	6	23	5060
		09-02-75	0800		2163				23	23	<4.5	5060
		09-16-75	0745		2163	0.0029	0.0000	5050	110	20	49	5060
B2 0180.01	JACKSON CREEK AT JAPUR ROAD BRIDGE	05-08-75	1340		2163				230	62		5060
B2 0185.01	JACKSON CREEK BL CITY OF JACKSON STP	05-08-75	0945		2163				2300	230		5060
B2 0190.20	JACKSON CREEK AB CITY OF JACKSON STP	05-08-75	0915		2163				23000	620		5060
B2 0190.55	JACKSON CREEK, NORTH FORK, IN JACKSON	05-08-75	1250		2163				2300	620		5060
B2 0190.70	JACKSON CREEK, SOUTH FORK, IN JACKSON	05-08-75	1040		2163				6200	23		5060
B2 0191.01	JACKSON CREEK ABOVE SF JACKSON CREEK	05-08-75	1100		2163				620	620		5060
B2 0193.01	JACKSON CREEK BELOW NEW YORK GULCH	05-08-75	1220		2163				1300	620		5060



Appendix E  
GROUND WATER QUALITY DATA

This appendix presents ground water quality data collected during the period from October 1, 1974, through September 30, 1975. The data were collected from a number of major ground water sources in Northeastern California in cooperation with other State, local, and federal agencies. During the 1975 water year, 544 wells were sampled in 30 ground water basins and subbasins or subareas.

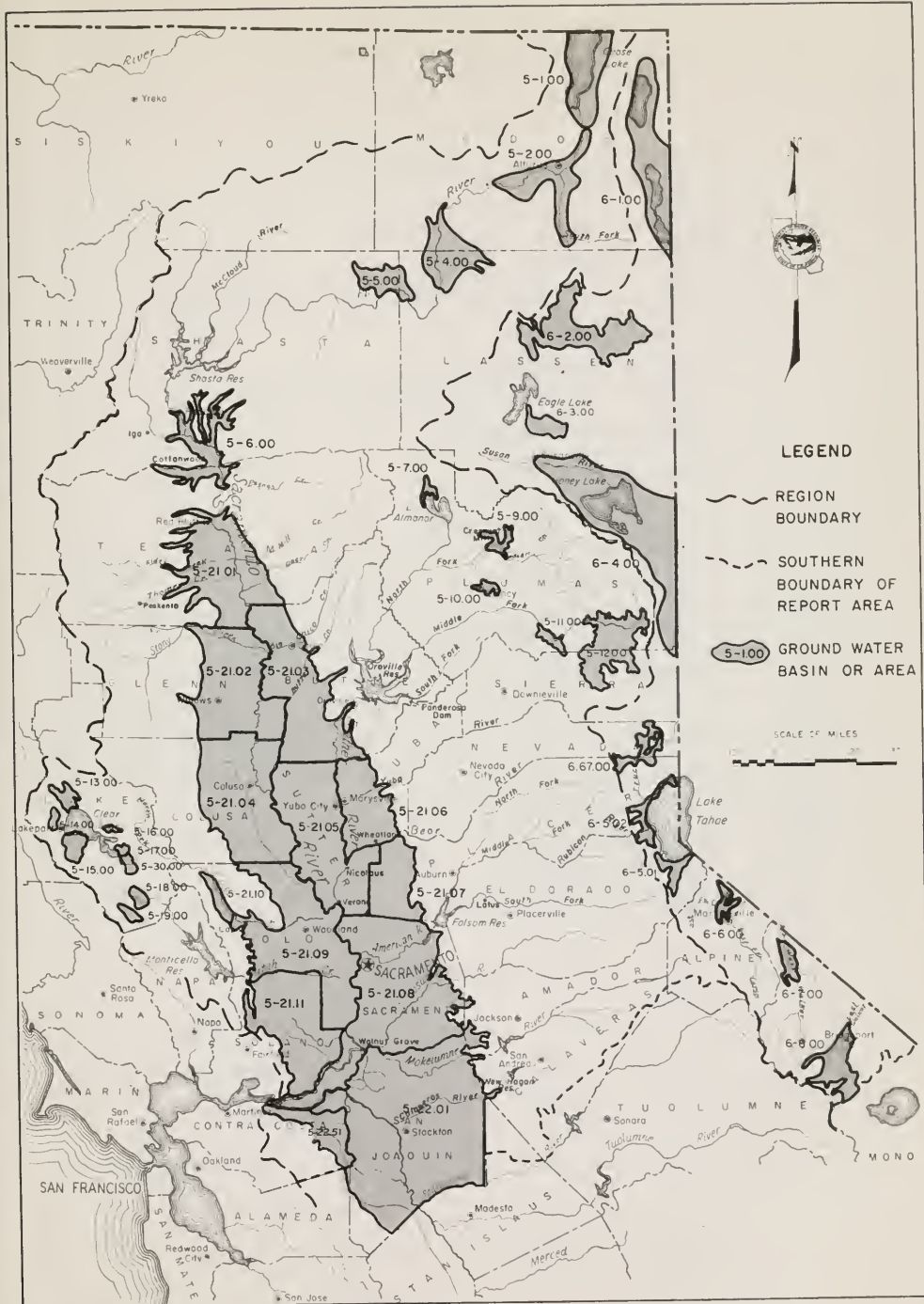
At the time of field sampling, pH and temperature measurements are normally made. Comments on current conditions are noted in field books which are available in the files of the Department of Water Resources.

Laboratory analyses of ground waters were performed in accordance with "Standard Methods for the Examination of Water and Wastewater", 14th Edition.

The Region and Basin and State Well Numbering Systems are described in Appendix C, "Ground Water Measurements", on page 239.

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IN NORTHEASTERN CALIFORNIA

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5- 4.00	Big Valley . . . . .	385, 415
5- 5.00	Fall River Valley . . . . .	386, 415
5- 6.00	Redding Basin . . . . .	386
5- 7.00	Lake Almanor Valley	
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5-10.00	American Valley	
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GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

## TABLE E-1

## MINERAL ANALYSES OF GROUND WATER

Sampler and Lab Agency Codes

2489 - Fibreboard Corporation  
 4203 - City of Stockton  
 5050 - California Department of Water Resources  
 5105 - Glenn County  
 5110 - San Joaquin County  
 5701 - California Water Service Company  
 5999 - Unknown Agency  
 9597 - Nelson Lab

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock  
 TEMP - Water temperature in degrees Fahrenheit (F) and degrees Celsius (C) at the time of field sampling  
 PH - Measure of acidity (<7) or alkalinity (>7) of water  
 EC - Electrical conductance in micromhos at 25<sup>o</sup> Celsius  
 TDS - Gravimetric determination of total dissolved solids at 180<sup>o</sup> C  
 SUM - Total dissolved solids by summation of analyzed constituents  
 TH - Total hardness  
 NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity  
 SAR - Sodium adsorption ratio

Mineral Constituents

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CL	-	Chloride	NA	-	Sodium
CO3	-	Carbonate	NO3	-	Nitrate
F	-	Fluoride	SI02	-	Silica
HCO3	-	Bicarbonate	S04	-	Sulfate



TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TH NCH	SAH			
CENTRAL VALLEY REGION																					
GOOSE LAKE VALLEY																					
5-01																					
08/12/75 1235	5050 5050	44N/14E-07K01	M	57.0F 13.9C	7.0 8.6	750 673	73 3.64	26 2.14	38 1.85	1.3 .63	19 .8	298 64	27 56	20 50	89.0 .95	10 7	--	--	400 410	291 14	1.0
08/12/75 1310	5050	45N/13E-12L01	M	69.0F 26.5C	7.3	340	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/12/75 1250	5050	45N/14E-32L01	M	72.0F 22.2C	7.1	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/12/75 1450	5050 5050	46N/14E-32J01	M	68.0F 20.0C	6.8 8.0	205 193	--	--	--	--	0 .00	87 1.43	--	9.0 2.7	4.9 .08	--	--	--	--	60	
08/12/75 1400	5050	47N/13E-07J01	M	63.0F 17.2C	7.5	235	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/12/75 1535	5050	47N/14E-02M01	M	64.0F 17.8C	8.3	350	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/12/75 1510	5050	47N/14E-14802	M	55.0F 12.8C	6.8	185	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/12/75 1550	5050 5050	48N/14E-23K01	M	56.0F 13.3C	6.8 8.1	235 210	--	--	--	--	0 .00	126 2.67	--	3.5 1.0	1.0 .02	--	--	--	--	80	
5-02 ALTUHAS BASIN																					
08/14/75 1430	5050 5050	39N/13E-06N01	M	67.0F 19.4C	7.2 8.1	225 217	--	--	--	--	0 .00	118 1.93	--	4.8 1.4	2.6 .04	--	--	--	--	40	
08/14/75 1355	5050 5050	40N/12E-11F01	M	68.0F 20.0C	6.0 8.0	170 161	--	--	--	--	0 .00	60 1.21	--	4.4 1.2	3.4 .05	--	--	--	--	28	
08/14/75 1410	5050	41N/12E-25J01	M	65.0F 18.3C	7.3	520	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/14/75 1315	5050 5050	41N/13E-18P01	M	66.0F 18.9C	7.3 8.4	750 653	74 3.64	31 2.55	18 .78	8.0 .20	6.0 3.05	223 2.87	138 41	7.9 2.2	2.9 .05	.00 1	--	--	484 395	313 120	0.4
08/12/75 1010	5050 5050	42N/11E-19E01	M	68.0F 20.0C	7.6 8.0	470 467	--	--	--	--	0 .00	244 4.00	--	6.7 1.9	.0 .00	--	--	--	--	12	
08/12/75 1030	5050	42N/11E-24A01	M	68.0F 20.0C	7.3	218	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/12/75 1130	5050	42N/12E-11J01	M	64.0F 17.8C	7.4	392	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/14/75 1240	5050	42N/13E-31G01	M	61.0F 16.1C	7.1	580	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/14/75 1255	5050	42N/13E-32G01	M	58.0F 14.4C	7.4	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
5-04 BIG VALLEY																					
08/11/75 1520	5050 5050	37N/07E-13801	M	56.0F 13.3C	6.9 8.3	485 446	--	--	--	--	0 .00	164 2.09	--	10 4.5	76.0 1.23	--	--	--	--	136	
08/11/75 1445	5050 5050	38N/07E-02P01	M	68.0F 20.0C	7.1 8.3	565 520	--	--	--	--	0 .00	231 3.74	--	38 1.37	12.0 1.19	--	--	--	--	151	

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER							MILLIGRAMS PER LITER						
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	PERCENT REACTANCE VALUE	B	F	TDS SUM	TH NCM
CENTRAL VALLEY REGION																			
5-04																			
08/11/75 1410	5050	38N/07E-23001	M	67.0F 19.4C	7.1	300	--	--	--	--	--	--	--	--	--	--			
08/11/75 1320	5050	38N/07E-28N09	M	65.0F 18.3C	7.1	205	--	--	--	--	--	--	--	--	--	--			
08/11/75 1540	5050	38N/08E-17K01	M	62.0F 16.7C	7.4	238	--	--	--	--	--	--	--	--	--	--			
08/11/75 1500	5050	38N/08E-30H01	M	58.0F 14.4C	6.9	890	--	--	--	--	--	--	--	--	--	--			
08/11/75 1555	5050	38N/09E-21L01	M	66.0F 18.9C	7.5	340	--	--	--	--	--	--	--	--	--	--			
08/12/75 0835	5050 5050	39N/07E-13Q01	M	62.0F 16.7C	7.0 6.0	220 228	--	--	--	--	0 +0.0	105 1.72 89	--	6.8 1.6 1.4 +0.3 2	--	--	44		
08/12/75 0855	5050 5050	39N/08E-23A02	M	64.0F 17.8C	7.0 8.2	245 232	13 65 28	9.4 77 33	18 78 33	5.5 14 6	0 +0.0	92 1.51 67	27 56 25	4.4 12 5	5.0 +0.08 4	+0.0 --	196 128	71 0	0.9
08/12/75 0730	5050	39N/09E-28F02	M	70.0F 21.1C	7.7	205	--	--	--	--	--	--	--	--	--	--			
5-05																			
FALL RIVER VALLEY																			
08/11/75 1150	5050 5050	37N/05E-01C01	M	62.0F 16.7C	8.3 8.3	225 208	18 90 41	6.3 52 24	16 70 32	2.7 0.07 3	0 +0.0	118 1.43 89	5.4 11 5	3.5 1.2 5	1.2 +0.0 1	+0.0 --	148 111	71 0	0.8
08/11/75 0905	5050	37N/05E-19P02	M	62.0F 16.7C	7.5	525	--	--	--	--	--	--	--	--	--	--			
08/11/75 1105	5050	37N/05E-24F01	M	58.0F 14.4C	8.2	270	--	--	--	--	--	--	--	--	--	--			
08/11/75 1225	5050	37N/06E-06L01	M	58.0F 13.3C	8.0	285	--	--	--	--	--	--	--	--	--	--			
08/11/75 1115	5050	37N/06E-19L01	M	58.0F 14.4C	8.0	260	--	--	--	--	--	--	--	--	--	--			
08/11/75 0945	5050 5050	38N/03E-24F01	M	52.0F 11.1C	6.9 7.9	145 133	--	--	--	--	0 +0.0	75 1.23 90	--	2.2 +0.06 4	4.7 +0.08 6	--	--	59	
08/11/75 1005	5050 5050	38N/04E-30H01	M	55.0F 12.8C	6.8 8.0	230 204	--	--	--	--	0 +0.0	116 1.40 86	--	8.9 +23 11	4.0 +0.06 3	--	--	75	
08/11/75 1205	5050	38N/06E-31D01	M	60.0F 15.5C	8.0	195	--	--	--	--	--	--	--	--	--	--			
5-06																			
REDDING BASIN																			
05/27/75 1000	5050 5050	29N/03W-05G02	M	67.0F 19.4C	6.8 8.3	200 196	14 70 34	11 40 43	9.8 43 21	2.1 0.05 2	0 +0.0	105 1.72 88	5.4 11 6	2.0 +0.06 3	4.3 +0.07 4	+0.0 --	162 100	79 0	0.5
05/28/75 1145	5050	29N/04W-04H03	M	74.0F 23.3C	6.8	310	--	--	--	--	--	--	--	--	--	--			
05/27/75 0920	5050 5050	29N/04W-11G04	M	67.0F 19.4C	7.1 8.2	185 185	--	--	--	--	0 +0.0	100 1.64	--	4.5 +13	--	--	67		

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS					MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
				CA	MG	NA	K	CU3	PERCENT	REACTANCE	VALUE	H	F	TDS	TH	SAR	SI02	SUM	NCH	SAR	
CENTRAL VALLEY REGION																					
5-06																					
05/27/75 1140	5050	30N/03#-04M01	M	66.0F 26.0C	6.9	205	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1120	5050	30N/03#-18F02	M	65.0F 18.3C	6.4	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1142	5050	30N/03#-34O01	M	63.0F 17.2C	6.6	318	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1200	5050	30N/04#-01E01	M	66.0F 16.9C	7.0	162	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 1030	5050	30N/04#-08H01	M	72.0F 26.2C	7.3	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 1045	5050	30N/04#-15H03	M	64.0F 17.6C	7.1	295	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 0930	5050	31N/04#-35H01	M	69.0F 26.5C	7.3	182	--	--	--	0	1.03	--	.0	--	--	--	--	--	--	68	
05/27/75 0945	5050	30N/04#-36U01	M	65.0F 18.3C	7.0	180	--	--	--	0	.96	--	3.2	--	.19	--	--	--	--	66	
05/27/75 1047	5050	31N/03#-05J01	M	65.0F 16.3C	6.6	225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1310	5050	31N/03#-10O02	M	76.0F 21.1C	6.5	180	--	--	--	0	.93	--	6.2	--	.17	--	--	--	--	67	
05/27/75 1315	5050	31N/03#-12E01	M	65.0F 18.3C	6.4	205	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1400	5050	31N/04#-12A01	M	76.0F 26.4C	7.3	365	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 0915	5050	31N/04#-15O01	M	64.0F 20.5C	7.1	220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 0935	5050	31N/04#-15O03	M	73.0F 22.6C	7.0	177	--	--	--	0	.90	--	4.5	--	.13	--	--	--	--	67	
05/28/75 0955	5050	31N/04#-20J01	M	66.0F 18.9C	6.8	235	--	--	--	0	.91	--	13	--	.37	--	--	--	--	86	
05/28/75 1015	5050	31N/05#-25K01	M	68.0F 20.8C	7.3	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1345	5050	32N/03#-32J02	M	66.0F 18.9C	6.9	340	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1250	5050	32N/03#-35L01	M	71.0F 21.6C	6.7	245	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 0850	5050	32N/05#-26M02	M	70.0F 21.1C	7.4	580	--	--	--	4.0	.215	--	36	--	1.02	--	--	--	--	92	
5-13																					
UPPER LAKE VALLEY																					
06/11/75 1010	5050	15N/09#-07801	M	65.0F 16.3C	6.3	295	--	--	--	3.0	.169	--	4.2	--	.12	--	--	--	--	118	

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	B	F	TDS SUM	TH NCM	SAR	
*****																			
5																			
5-13																			
CENTRAL VALLEY REGION																			
UPPER LAKE VALLEY																			
06/11/75	535n	13N/09W-27E01	M	82.0F	7.3	280	--	--	--	--	--	--	--	--	--	--	--	--	--
0900				27.8C															
06/11/75	535n	15N/09W-31P01	M	64.0F	6.3	190	--	--	--	--	--	--	--	--	--	--	--	--	--
1250				17.8C															
06/11/75	505n	15N/10W-13401	M	65.0F	6.9	240	--	--	--	--	--	--	--	--	--	--	--	--	--
0930				19.3C															
06/11/75	535n	15N/10W-13402	M	70.0F	7.1	215	--	--	--	--	--	--	--	--	--	--	--	--	--
0950				21.1C															
06/11/75	505n	10N/09W-31L03	M	67.0F	6.5	195	20	6.1	8.2	.9	0	87	14	2.5	.4	.00	116	75	0.4
1110				19.4C	8.0	184	1.00	.50	.36	.02	.00	1.43	.29	.07	.01		95	4	
							53	27	19	1		79	16	4	1				
5-14																			
SCOTT VALLEY																			
06/11/75	505n	14N/10W-03F01	M	65.0F	7.1	380	--	--	--	--	--	--	--	--	--	--	--	--	--
1320				18.3C															
06/11/75	505n	14N/10W-10G02	M	64.0F	7.1	350	--	--	--	--	--	--	--	--	--	--	--	--	--
1415				17.8C															
06/11/75	505n	14N/10W-14E03	M	61.0F	7.0	220	--	--	--	--	--	--	--	--	--	--	--	--	--
1515				16.1C															
06/11/75	535n	14N/10W-15A01	M	56.0F	7.0	340	34	14	10	.7	0	150	32	4.0	5.7	.10	191	144	0.4
1350				14.4C	8.2	318	1.70	1.15	.44	.02	.00	2.40	.67	.11	.09		174	20	
							51	35	13	1		74	20	3	3				
5-15																			
MELSEYVILLE VALLEY																			
06/12/75	535n	13N/09W-05D03	M	64.0F	6.7	555	--	--	--	--	--	--	5.9	6.8	--	--	282	--	--
0730				17.8C									.17	.11					
06/11/75	535n	13N/09W-15001	M	75.0F	6.3	1100	14	107	19	4.4	0	538	.0	.40	28.0	4.40	540	474	0.4
1205				23.9C	6.3	881	.70	8.40	.83	.11	.00	8.92	.00	1.13	.45		481	34	
							7	84	8	1		85		11	4				
06/12/75	535n	13N/09W-16003	M	65.0F	6.8	455	16	47	9.5	1.0	12	269	.0	5.4	4.0	.00	263	233	0.3
1155				16.3C	6.6	436	.80	3.87	.41	.03	.40	4.41	.00	.15	.06		227	0	
							16	76	8	1	8	88		3	1				
06/12/75	535n	13N/09W-17A01	M	68.0F	6.8	960	--	--	--	--	--	--	--	--	--	--	--	--	--
1130				21.0C															
06/12/75	505n	13N/09W-18J01	M	66.0F	7.1	295	--	--	--	--	--	--	9.4	5.0	--	--	112	--	--
1055				20.0C		286							.27	.08					
06/12/75	535n	13N/09W-21F02	M	77.0F	6.5	755	--	--	--	--	--	--	16	2.2	--	--	397	--	--
1215				25.0C		703							.45	.04					
06/12/75	535n	13N/09W-22C03	M	63.0F	7.2	605	--	--	--	--	--	--	11	11.0	--	--	332	--	--
1235				18.3C		583							.31	.18					
06/12/75	535n	14N/09W-32J01	M	60.0F	6.8	925	--	--	--	--	--	--	--	--	--	--	--	--	--
0405				15.5C															
5-16																			
HIGH VALLEY																			
06/11/75	535n	14N/08W-23K01	M	69.0F	6.8	185	--	--	--	--	--	--	--	--	--	--	--	--	--
0400				21.5C															
06/11/75	535n	14N/08W-24H02	M	70.0F	6.1	730	--	--	--	--	--	--	--	--	--	--	--	--	--
0730				21.1C															

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TM NCH	SAR	
CENTRAL VALLEY REGION BURNS VALLEY																		
5 5-17																		
06/10/75 1405	5050	M	13N/07#-15J02 67.0F 19.4C	7.1	400	--	--	--	--	--	--	--	--	--	--	--	--	
06/10/75 1445	5050	M	13N/07#-15N01 66.0F 18.9C	6.8	220	--	--	--	--	--	--	--	--	--	--	--	--	
06/10/75 1515	5050	M	13N/07#-21J02 66.0F 26.0C	6.8	625	--	--	--	--	--	--	--	--	--	--	--	--	
06/10/75 1430	5050	M	13N/07#-22H03 64.0F 17.6C	6.8 6.5	720 716	51 2.54	33 2.71	53 2.31	1.0 .03	9.0 .30	218 3.57	90 1.87	25 .71	66.0 1.06	.30 14	501 435	265 69	1.4
06/10/75 1500	5050	M	13N/07#-27C01 77.0F 25.0C	7.1	320	--	--	--	--	--	--	--	--	--	--	--	--	
5-18 COYOTE VALLEY																		
06/10/75 1445	5050 5050	M	11N/06#-10P02 64.0F 17.8C	7.3 6.0	500 504	--	--	4.6 .20	-- 3	0 +.00	322 5.28	-- 17	6.1 1.7	--	--	281	0.1	
06/10/75 1530	5050 5050	M	11N/06#-30A02 62 F 17 C	7.3 6.1	450 451	13 13	50 4.11	5.9 .26	.6 +.02	0 +.00	281 4.01	11 +.23	4.4 1.2	5.5 +.09	.20 2	251 229	239 8	0.2
06/10/75 1630	5050 5050	M	11N/07#-13H01 64.0F 18.1C	7.4 6.1	600 568	--	--	19 .83	-- 12	0 +.00	372 6.10	-- 14	6.6 1.14	--	--	291	0.5	
5-19 COLLATON VALLEY																		
06/10/75 1150	5050 5050	M	11N/07#-03L04 59.5F 15.3C	6.8 7.6	250 254	--	--	4.8 +.21	-- 8	0 +.00	136 2.23	-- 17	2.4 +.07	--	--	126	0.2	
06/10/75 1315	5050 5050	M	11N/07#-33J02 64 F 18 C	6.8 7.7	167 163	--	--	3.6 +.16	-- 9	0 +.00	96 1.57	-- 17	1.9 +.05	--	--	82	0.2	
06/10/75 1400	5050 5050	M	11N/07#-35E01 64.0F 18.1C	6.8 6.1	275 276	7.8 3.4	26 2.14	9.5 +.41	1.1 +.03	0 +.00	161 2.64	9.5 +.20	3.2 +.09	2.3 +.04	.40 3	161 139	126 0	0.4
5-21 SACHAHEITO VALLEY																		
5-21.01 TENEHAWA COUNTY																		
06/02/75 1240	5050 5050	M	23N/02#-04A02 64.0F 17.4C	6.9 6.5	420 342	32 1.60	24 2.14	16 1.97	.4 +.02	6.0 +.20	193 3.16	23 +.48	7.9 1.11	8.0 +.22	.00 13	249 213	179 11	0.5
06/02/75 1255	5050 5050	M	23N/02#-05A01 66.0F 20.0C	7.9	335 311	--	--	--	--	--	--	--	5.4 1.15	7.8 1.13	--	--	116	
06/02/75 1415	5050	M	23N/03#-27H01 71.0F 21.6C	7.4	325	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1425	5050 5050	M	23N/03#-27H01 74.0F 23.3C	7.2	408 393	--	--	--	--	--	--	--	21 +.59	8.1 1.13	--	--	166	
06/02/75 1445	5050	M	23N/03#-35H01 66.0F 26.0C	7.1	240	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1205	5050	M	24N/02#-36A02 69.0F 26.5C	7.0	270	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1335	5050	M	24N/02#-14K01 71.0F 21.6C	6.9	445	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1320	5050 5050	M	24N/02#-36C01 69.0F 26.5C	7.1	620 572	--	--	--	--	--	--	--	22 +.62	17.0 2.27	--	--	246	

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		H	F	TDS	TM	SAR
	5 5-21			CENTRAL VALLEY REGION SACRAMENTO VALLEY														
	5-21-01			TEHAMA COUNTY														
06/03/75 1015	5050 5050		67.0F 19.4C	7.3 355 341	--	--	--	--	--	--	6.4 1.9	21.0 .34	--	--	--	--	157	
06/03/75 0900	5050 5050	24N/03W-14M01	69.0F 20.5C	7.3 250 239	--	--	--	--	--	--	4.0 .11	7.9 .13	--	--	--	--	98	
06/03/75 0955	5050 5050	24N/03W-17M01	67.0F 19.4C	6.7 226 204	--	--	--	--	--	--	5.0 .14	6.8 .11	--	--	--	--	88	
06/03/75 0935	5050 5050	24N/03W-20N01	67.0F 19.4C	6.7 175	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1445	5050 5050	24N/03W-24P01	69.0F 20.5C	7.2 845 855	--	--	--	--	--	--	12 .34	15.0 .24	--	--	--	--	300	
06/03/75 0915	5050 5050	24N/03W-33M01	69.0F 20.5C	7.1 165	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 0925	5050 5050	25N/02W-04M01	70.0F 21.1C	6.5 250	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/04/75 0945	5050 5050	25N/02W-07K01	67.0F 19.4C	7.1 565	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1000	5050 5050	25N/02W-16F01	69.0F 20.5C	7.4 285	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/02/75 1015	5050 5050	25N/02W-16P01	66.0F 19.9C	6.6 318 305	--	--	--	--	--	--	13 .37	9.9 .16	--	--	--	--	118	
06/04/75 1000	5050 5050	25N/03W-01G01	77.0F 25.0C	7.5 408 394	--	--	--	--	--	--	21 .59	5.1 .08	--	--	--	--	162	
06/04/75 1010	5050 5050	25N/03W-01G02	69.0F 20.5C	6.9 655	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/03/75 1350	5050 5050	25N/03W-22D01	73.0F 22.8C	7.2 395 367	--	--	--	--	--	--	24 .42	5.2 .08	--	--	--	--	146	
06/05/75 1200	5050 5050	25N/03W-31M01	71.0F 21.6C	6.9 695 630	69 3.44 50	33 2.71 49	16 .70 10	.7 .02 5	10 .33 52	211 3.46 19	60 1.25 13	30 .49 12	50.0 .81 12	.00	--	407 372	310 118	0.4
06/03/75 1055	5050 5050	25N/03W-36C01	77.0F 25.0C	7.1 355 324	--	--	--	--	--	--	6.0 .17	2.2 .04	--	--	--	--	154	
06/03/75 1230	5050 5050	25N/04W-26A01	77.0F 25.0C	7.3 150	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/03/75 1310	5050 5050	25N/05W-27C01	72.0F 22.2C	7.6 505	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/30/75 1150	5050 5050	26N/02W-09C01	68.0F 20.0C	7.0 540	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/30/75 1215	5050 5050	26N/02W-15M01	70.0F 21.1C	7.1 230	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/09/75 2030	5050 5050	26N/02W-16C01	75.0F 23.9C	6.8 390 421	30 1.50 33	26 2.14 48	19 .83 18	.6 .02 4	6.0 .20 72	198 3.25 4	21 .44 10	20 .56 12	3.6 .06 1	.30	--	281 224	184 10	0.6

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3				B	F	TDS	TH	SAH
																5102		SUM	NCH	
CENTRAL VALLEY REGION																				
SACRAMENTO VALLEY																				
TENAHAMA COUNTY																				
06/04/75 1200	5050	26N/03*-03N01	M 69.0F 21.0C	7.1	365	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1210	5050	26N/03*-04F01	M 71.0F 21.6C	7.1	295	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1145	5050	26N/03*-26C01	M 79.0F 21.1C	7.0	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/75 1425	5050	26N/03*-32A02	M 75.0F 23.9C	7.1	190 177	--	--	--	--	--	--	--	4.4 +1.4	14.0 +2.3	--	--	--	--	68	--
06/04/75 1250	5050	26N/03*-36L02	M 72.0F 22.2C	6.8	380 355	--	--	--	--	--	--	--	11 +3.1	4.3 +0.7	--	--	--	--	151	--
06/04/75 1255	5050	26N/03*-36F01	M 69.0F 20.5C	7.4	480 435	--	--	--	--	--	--	--	22 +6.2	9.0 +1.5	--	--	--	--	188	--
06/04/75 1115	5050	26N/03*-36K01	M 68.0F 20.0C	7.7	420	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1145	5050	26N/04*-10001	M 74.0F 23.3C	7.6	375	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1045	5050	27N/02*-30C02	M 68.0F 15.5C	6.6	285	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1425	5050	27N/03*-10001	M 79.0F 26.1C	7.1	330	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1435	5050	27N/03*-10001	M 69.0F 20.5C	7.6	303	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1005	5050	27N/03*-14N01	M 67.0F 19.4C	6.8	745 748	--	--	--	--	--	--	--	115 3.24	21.0 +3.4	--	--	--	--	224	--
05/29/75 1410	5050	27N/03*-15C01	M 65.0F 18.3C	6.9 8.5	520 472	4.2 2.10	27 2.22	16 +7.0	1.4 +0.5	8.8 +27	2.6 3.38	24 +50	21 +5.4	16.0 +26	.80	--	--	316 257	218 34	0.5
05/29/75 1355	5050	27N/03*-15E01	M 68.0F 20.0C	7.1	565	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1335	5050	27N/03*-15N01	M 74.0F 23.3C	7.2	525	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 0730	5050	27N/03*-19A01	M 69.0F 20.5C	6.9	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 0830	5050	27N/03*-20A01	M 68.0F 20.0C	6.9	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 0955	5050	27N/03*-21C01	M 72.0F 22.2C	7.3	305	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1020	5050	27N/03*-22A01	M 62.0F 16.7C	6.8	520	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1030	5050	27N/03*-23001	M 65.0F 18.3C	6.9	645	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		H	F	TOS SUM	TH NCH	SAW
*****																		
	5 5-21			CENTRAL VALLEY REGION SACRAMENTO VALLEY														
	5-21.01			TEHAMA COUNTY														
05/30/75 1135	5050	27N/U3W-25001	M 74.0F 23.3C	6.8	405	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 0820	5050	27N/U3W-28C03	M 65.0F 10.3C	6.8	203	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 0810	5050 5050	27N/U3W-31A01	M 60.0F 26.0C	7.4	260 258	--	--	--	--	--	4.1 .12	5.2 .08	--	--	--	--	--	91
05/29/75 0920	5050	27N/U4W-01H02	M 71.0F 21.1C	7.7	225	--	--	--	--	--	--	--	--	--	--	--	--	--
06/05/75 1500	5050	27N/U4W-03J01	M 60.0F 21.5C	7.2	240	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1005	5050	27N/U4W-12P01	M 72.0F 22.2C	7.6	270	--	--	--	--	--	--	--	--	--	--	--	--	--
05/29/75 1015	5050 5050	27N/U4W-24C01	M 68.0F 20.0C	7.3	300 293	--	--	--	--	--	4.1 .12	6.2 .13	--	--	--	--	--	129
05/29/75 1035	5050 5050	27N/U4W-26J01	M 71.0F 21.1C	6.8	335 317	--	--	--	--	--	7.4 .21	4.6 .07	--	--	--	--	--	137
05/29/75 0835	5050 5050	28N/U3W-28A01	M 72.0F 22.2C	6.8	600 601	--	--	--	--	--	87 2.45	.7 .01	--	--	--	--	--	122
05/29/75 0815	5050	28N/U3W-29G01	M 66.0F 10.9C	6.8	480	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1118	5105	5-21.02 18N/U1W-16H01	M 72.0F 22.2C	8.0	430	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1018	5105 5050	18N/U2W-01E01	M 64.0F 17.0C	7.6 6.3	840 805	--	--	--	0 .00	480 7.87 .93	--	16 .51 6	4.0 .06 1	--	--	--	--	332
07/28/75 0930	5105	18N/U2W-07F01	M 67.0F 19.4C	7.9	610	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 0950	5105 5050	18N/U3W-10K01	M 73.0F 22.6C	7.8 8.5	655 675	--	--	--	6.0 .20	297 4.67	--	30 .05	--	--	--	--	--	226
07/28/75 0845	5105	19N/U2W-06G01	M 67.0F 19.4C	7.5	340	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1137	5105 5050	19N/U2W-23N01	M 70.0F 21.1C	7.2 8.3	950 932	64 3.44 30	64 5.28 46	65 2.83 25	.6 .02 .00	558 9.15 81	78 1.62 14	13 .37 3	4.2 .15 1	.20	--	590 573	436 0	1.4
07/28/75 0832	5105	19N/U3W-04E01	M 72.0F 22.2C	7.7	630	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 0843	5105	19N/U3W-09J01	M 68.0F 26.0C	7.9	490	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 0855	5105	19N/U3W-18P01	M 71.0F 21.6C	7.9	640	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1002	5105	19N/U3W-26P01	M 71.0F 21.6C	7.8	580	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3				B	F	TDS	TH
																	5102	SUM	NCH	SAR
CENTRAL VALLEY REGION																				
SACRAMENTO VALLEY																				
GLENN COUNTY																				
07/28/75 1204	5105	M	68.0F 20.0C	7.5	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1212	5105	M	73.0F 22.0C	7.9	440	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1153	5105	M	78.0F 25.5C	7.8	335	--	--	--	3.0 10	187 3.06	--	7.4 21	5.3 .09	--	--	--	--	--	144	--
07/26/75 1505	5105	M	67.0F 19.4C	8.0	410	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1455	5050	M	75.0F 23.9C	7.8	325	--	--	--	0 100	182 2.98	--	5.5 16	7.6 12	--	--	--	--	--	128	--
07/26/75 1445	5105	M	73.0F 22.8C	7.8	295	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 0802	5105	M	67.0F 19.4C	7.2	520	--	--	--	--	--	--	17 48	10.0 16	--	--	--	--	--	257	--
07/26/75 1430	5105	M	61.0F 27.2C	7.9	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/75 1310	5105	M	69.0F 20.5C	7.8	370	--	--	--	--	--	--	12 34	5.4 .09	--	--	--	--	--	193	--
07/26/75 1525	5105	M	69.0F 21.5C	7.6	610	--	--	--	--	--	--	34 98	18.0 29	--	--	--	--	--	253	--
07/26/75 0912	5105	M	75.0F 23.9C	7.2	645	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 0926	5105	M	61.0F 26.6C	8.0	290	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1143	5105	M	67.0F 19.4C	7.1	625	56 2.79	27 2.22	32 35	.7 22	4.0 13	199 3.26	50 1.04	48 1.35	29.0 47	.10	--	386 345	250 81	0.9	--
07/26/75 1132	5105	M	76.0F 24.4C	7.2	560	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1116	5105	M	68.0F 20.0C	7.1	540	--	--	--	4.0 13	248 4.06	--	20 58	23.0 437	--	--	--	--	--	236	--
07/26/75 1220	5105	M	67.0F 19.4C	7.2	485	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1204	5105	M	68.0F 20.0C	7.3	435	42 2.10	18 1.48	18 34	.6 78	0 102	203 3.33	22 46	15 42	5.5 .09	.10	--	244 221	181 13	0.6	--
07/26/75 1058	5105	M	66.0F 18.9C	7.2	910	--	--	--	4.0 13	386 6.33	--	71 2.00	28.0 432	--	--	--	--	--	402	--
07/26/75 1033	5105	M	74.0F 23.3C	7.4	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/75 1040	5105	M	71.0F 21.6C	7.2	410	--	--	--	0 100	206 3.38	--	17 48	5.2 .08	--	--	--	--	--	175	--

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP LABORATORY PH	FIELD EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER H F TDS TH SAH						
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	H	F	TDS SUM	TH MCM	SAH		
CENTRAL VALLEY REGION SACRAMENTO VALLEY GLENN COUNTY																			
07/28/75 1405	5105	5-21.02 22N/03W-22602	M 66.0F 26.0C	7.4	405	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/28/75 1355	5105	22N/03W-22601	M 66.0F 26.0C	7.6	500	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/26/75 0950	5105 5050	22N/03W-32R02	M 71.0F 21.1C	6.6 7.9	410 419	--	--	--	--	0 .00	264 3.34 87	--	14 .39 10	7.3 12 3	--	--	--	178	
07/26/75 1020	5105 5050	22N/04W-10R01	M 72.0F 22.2C	7.2 8.5	505 502	47 2.35 43	24 2.34 43	18 .78 14	.5 .01 3	5.0 1.17 3	242 3.97 74	27 56 10	14 1.9 10	10.0 16 3	10	--	307 275	237 30	0.5
BUTTE COUNTY																			
05/28/75 0930	5050 5050	5-21.03 17N/01E-01K01	M 65.0F 16.3C	7.3 8.4	925 756	25 1.25 14	59 4.05 55	61 2.65 30	2.5 .06 1	6.0 2.20 2	433 7.10 82	14 2.29 3	36 1.02 12	6.5 10 1	400	--	445 423	306 0	1.5
05/28/75 1105	5050	17N/03E-18J01	M 68.0F 20.0C	7.2	580	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 1140	5050	17N/03E-20C01	M 67.0F 19.4C	7.1	355	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 0815	5050	18N/01E-14R01	M 67.0F 19.4C	7.3	305	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 0845	5050 5050	18N/02E-120R1	M 62.0F 16.7C	6.8 8.5	280 275	--	--	4.6 .37 12	--	5.0 .17 2.67	163 2.67	--	3.0 1.06	--	--	--	132	0.3	
05/28/75 0830	5050	18N/02E-14K01	M 66.0F 20.0C	7.3	280	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 1325	5050	18N/03E-25J01	M 67.0F 19.4C	7.1	220	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 1215	5050 5050	18N/03E-29P01	M 67.0F 19.4C	7.2 8.3	220 217	14 1.70 30	14 1.15 49	11 1.48 20	1.7 0.04 2	0 2.07 91	126 2.07 91	6.2 1.17 7	1.0 0.03 1	0 0.00	400	--	169 112	93 0	0.5
05/28/75 1250	5050	18N/03E-33N01	M 69.0F 20.5C	7.3	220	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/29/75 0850	5050	18N/04E-07A01	M 68.0F 20.0C	7.1	165	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 1430	5050 5050	18N/04E-21P01	M 65.0F 18.3C	7.1 8.5	335 325	31 1.55 43	20 1.64 45	10 1.44 12	.5 .01 5	5.0 1.17 2.67	174 2.85 82	9.0 1.9 5	6.4 1.18 5	5.8 0.09 3	400	--	218 173	158 9	0.3
05/28/75 1400	5050 5050	18N/04E-28M01	M 72.0F 22.2C	8.1 8.5	2650 2720	43 2.15 8	3.2 26 1	550 23.93 90	4.2 1.11 13	4.0 2.13 9	150 2.13 9	776 16.18 62	281 7.36 26	3.9 0.06	5.80	--	1840 1725	120 0	21.8
05/28/75 0745	5050	19N/02E-16R01	M 68.0F 20.0C	7.2	245	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/29/75 1045	5050	19N/04E-06P01	M 73.0F 22.8C	7.3	135	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1445	5050 5050	20N/01E-01C01	M 69.0F 20.5C	7.0 8.7	800 724	--	--	--	--	20 .67	305 5.00	--	32 1.90	57.0 0.92	--	--	382	--	
05/27/75 1110	5050 5050	20N/01E-04J01	M 64.0F 17.8C	7.3 8.6	520 529	--	--	--	--	12 0.40	217 3.56	--	23 0.65	34.0 0.55	--	--	257	--	

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	SAR
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2			
CENTRAL VALLEY REGION SACRAMENTO VALLEY																			
ROUTE COUNTY																			
05/27/75 1515	5050n	66.0F 18.9C	7.2	275	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/28/75 0725	5050n	66.0F 18.9C	7.2	760	65 3.24 41	33 2.71 34	43 1.87 24	2.2 .00 1	13 .43 6	260 4.26 55	31 .65 8	80 2.26 29	7.8 .13 2	.00	--	495 403	297 63	1.1	
05/29/75 1100	5050n	66.0F 18.9C	6.8	155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1045	5050n	64.0F 17.8C	7.1	890	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1545	5050n	66.0F 18.9C	6.8	530	41 2.05 37	34 2.80 51	15 .65 12	.4 .01	7.0 .23 4	192 3.15 56	66 1.37 25	10 .28 5	35.0 .56 10	.00	--	350 303	244 74	0.4	
05/27/75 1415	5050n	66.0F 18.9C	7.0	1090	--	--	--	--	8.0 .27	321 5.26	--	23 .65	118 1.90	--	--	--	--	528	
05/29/75 1215	5050n	71.0F 21.6C	6.8	225	--	--	--	--	0 .00	132 2.16 92	--	4.0 .11	5.3 .09 4	--	--	--	--	98	
05/23/75 0825	5050n	65.0F 18.3C	7.0	335	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
22N/01E-05F01 M																			
05/23/75 0840	5050n	66.0F 18.9C	7.1	330	25 1.25 37	15 1.23 36	21 .91 27	.9 .02 1	3.0 10 3	139 2.28 67	14 .29 8	9.0 .25 7	31.0 .50 15	.20	--	243 187	124 5	0.6	
05/23/75 0935	5050n	67.0F 19.4C	7.1	215	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/75 1340	5050n	67.0F 19.4C	7.1	505	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
23N/01E-09L01 M																			
05/23/75 0730	5050n	63.0F 17.2C	6.8	555	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
23N/01E-16R01 M																			
05/29/75 0730	5050n	66.0F 18.9C	7.1	435	--	--	--	--	8.0 .27	202 3.31	--	4.8 .14	37.0 .60	--	--	--	--	203	
9-21.6+ 13N/01E-22J01 M																			
06/02/75 1100	5050n	63.0F 17.2C	7.8	440	37 1.85 41	21 1.73 38	21 .91 20	2.4 .07 2	7.0 .23 5	240 3.93 87	10 .21 5	4.8 .14 3	.6 .01	.10	--	258 222	180 0	0.7	
06/04/75 0940	5050n	66.0F 18.9C	7.7	550	--	--	--	--	12 .40	220 3.61	--	54 1.52	.7 .01	--	--	--	--	80	
13N/01E-06Q01 M																			
06/03/75 0900	5050n	64.0F 20.5C	7.1	1350	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
13N/01E-07A01 M																			
06/03/75 0850	5050n	74.0F 23.3C	7.4	1340	--	--	--	--	0 .00	119 1.95 17	--	319 9.00 80	23.0 .37 3	--	--	--	--	432	
13N/01E-08B01 M																			
06/02/75 1355	5050n	67.0F 19.4C	7.3	1270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
13N/01E-30F01 M																			
06/02/75 1155	5050n	70.0F 21.1C	7.4	435	25 1.25 27	24 1.97 43	30 1.31 29	.9 .02	7.0 .23 5	186 3.05 67	4.9 .10 2	36 1.02 22	9.1 .15 3	.20	--	252 229	182 0	1.0	

TABLE E-1 (CONTINUED)  
MINERAL ANALYSIS OF GROUND WATER

DATE TIME	SAMPLE# LAD	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER								MILLIGRAMS PER LITER						
					CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	PERCENT REACTANCE VALUE	H	F	TDS SUM	TH NCH	SAR
CENTRAL VALLEY REGION																			
SACRAMENTO VALLEY																			
COLUSA COUNTY																			
06/02/75 1130	5050	5-21.04 13N/01W-36002	M	69.0F 20.5C	7.3	500	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 1300	5050	13N/02W-26A01	M	66.0F 20.0C	7.3	740	--	--	--	--	--	--	--	--	--	--	--	--	--
06/02/75 1230	5050	13N/02W-26G01	M	71.0F 21.6C	7.6	565	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1010	5050	14N/01W-02D01	M	69.0F 20.5C	7.4	1220	--	--	--	10 .33	217 3.56	--	206 5.61	5.2 .08	--	--	382	--	--
06/04/75 1000	5050	14N/01W-12A01	M	67.0F 19.4C	7.6	1050 1040	21 1.05 10	23 1.49 17	143 7.96 73	1.3 .03 7	24 5.08 57	29 .60 6	114 3.21 30	4.0 .06 1	.80 --	--	622 582	148 0	6.6
06/03/75 0915	5050	14N/01W-31U01	M	67.0F 19.4C	7.6	550 538	--	--	--	--	0 2.01 52	159 52	--	74 2.09 42	18.0 .29 6	--	--	172	--
06/03/75 0930	5050	14N/02W-35P01	M	69.0F 20.5C	7.5	550	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1100	5050	14N/03W-11H01	M	69.0F 20.5C	7.3	540	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1040	5050	14N/03W-14U02	M	70.0F 21.1C	7.3	745 723	--	--	--	8.0 .27	222 3.64	--	64 1.80	11.0 .18	--	--	262	--	--
06/04/75 1125	5050	15N/02W-32H01	M	66.0F 20.0C	7.3	740	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1210	5050	15N/03W-01R01	M	70.0F 24.4C	7.4	1040 1020	39 1.45 10	36 2.96 27	138 6.00 55	1.5 .04 8	25 5.06 47	304 2.21 21	106 2.59 24	92 .00	.40 --	--	622 590	244 0	3.8
06/04/75 1150	5050	15N/03W-26L01	M	77.0F 25.0C	7.3	770	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/75 1245	5050	16N/01W-19F03	M	64.0F 17.8C	7.9	390	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 0910	5050	16N/01W-29J01	M	67.0F 19.4C	7.7	500	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 0930	5050	16N/01W-31U01	M	66.0F 16.9C	7.5	2280 2190	20 1.00 4	73 6.00 25	379 16.49 70	3.3 .08 4	28 8.98 38	548 10.08 42	484 3.89 16	136 .02	.50 --	--	1450 1396	350 0	8.8
06/05/75 0950	5050	16N/02W-04H01	M	66.0F 20.0C	7.5	650	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1005	5050	16N/02W-25B02	M	67.0F 19.4C	7.4	820	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/75 1030	5050	16N/02W-25H03	M	66.0F 20.0C	7.4	1200 1160	--	--	--	47 1.57	567 9.29	--	34 .96	18.0 .29	--	--	245	--	--
05/30/75 0950	5050	16N/02W-35B01	M	70.0F 21.1C	7.5	740	--	--	--	--	--	--	--	--	--	--	--	--	--
06/05/75 1030	5050	16N/03W-09H01	M	69.0F 20.5C	7.3	595	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP LABORATORY	FIELD PH FC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
				CA	MU	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TM NCM
CENTRAL VALLEY REGION																
SACRAMENTO VALLEY																
COLUSA COUNTY																
05/30/75 0835	5050	75.0F 23.9C	7.7 8.6	385 385	--	--	--	--	12 .40	227 3.72	--	8.1 .23	.3 .00	--	--	171
06/05/75 0905	5050	70.0F 21.1C	7.6	460	--	--	--	--	--	--	--	--	--	--	--	
06/05/75 1005	5050	66.0F 18.9C	7.4	1770	--	--	--	--	--	--	--	--	--	--	--	
06/05/75 1100	5050	69.0F 20.5C	7.4	605	--	--	--	--	--	--	--	--	--	--	--	
06/05/75 1000	5050	72.0F 22.2C	7.7	1000	--	--	--	--	--	--	--	--	--	--	--	
SUTTER COUNTY																
06/09/75 1245	5050	69 F 21 C	7.5 8.0	652 663	--	--	40 1.74 23	--	0 .00	355 5.82	--	31 .87	--	--	--	284 1.0
06/09/75 1330	5050	69 F 21 C	8.0 8.0	303 309	--	--	22 .96 33	--	0 .00	147 2.41	--	23 .65	--	--	--	96 1.0
06/09/75 1200	5050	66 F 19 C	7.5 7.8	391 396	--	--	20 .87 20	--	0 .00	218 3.57	--	13 .37	--	--	--	174 0.7
06/09/75 1030	5050	70 F 21 C	7.3 7.8	596 602	40 2.00 33	38 3.13 51	23 1.00 16	.9 .02 .00	0 .00	278 4.56 73	9.0 1.9 3	50 1.41 22	7.0 1.11 2	.00 -- --	378 305	260 29 0.6
06/06/75 0915	5050	66 F 19 C	7.7 8.0	384 385	25 1.25 30	23 1.89 45	24 1.04 25	1.2 .03 1	0 .00	245 4.02 96	4.6 1.10 2	2.4 .07 2	.6 .01 2	.10 -- --	263 201	157 0 0.8
06/06/75 0845	5050	66 F 19 C	7.9 8.0	703 711	--	--	38 1.65 21	--	0 .00	411 6.74	--	9.4 .27	--	--	--	320 0.9
06/06/75 1200	5050	66 F 19 C	7.5 8.3	536 539	38 1.90 31	38 3.13 51	23 1.00 16	2.4 .08 1	0 .00	337 5.52 91	12 .25 4	10 .28 5	.1 .00	.00 -- --	326 289	251 0 0.6
06/06/75 1045	5050	69 F 21 C	7.3 8.1	403 301	--	--	10 .44 12	--	0 .00	212 3.47	--	4.7 .13	--	--	--	164 0.3
06/05/75 1615	5050	67 F 19 C	7.5 7.9	277 278	--	--	20 .87 30	--	0 .00	149 2.44	--	10 .28	--	--	--	102 0.9
06/06/75 0700	5050	67 F 19 C	7.3 8.0	946 959	--	--	24 1.04 10	--	0 .00	501 8.21	--	76 2.14	--	--	--	486 0.5
06/05/75 1445	5050	60 F 18 C	7.3 7.8	418 419	--	--	20 .87 20	--	0 .00	207 3.39	--	22 .62	--	--	--	173 0.7
06/05/75 1330	5050	66 F 19 C	7.5 8.1	390 393	26 1.30 30	28 2.36 53	15 1.8 15	1.8 .05 1	0 .00	232 3.80 90	10 5 2	4.6 1.13 3	6.3 .10 2	.00 -- --	230 206	182 0 0.5
06/05/75 1540	5050	70 F 21 C	7.3 8.1	373 354	--	--	17 .74 19	--	0 .00	201 3.29	--	11 .31	--	--	--	153 0.6
YUBA COUNTY																
06/04/75 1245	5050	67 F 19 C	7.3 8.0	311 310	--	--	15 .65 22	--	0 .00	127 2.08	--	22 .62	--	--	--	115 0.6

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER EQUIVALENTS PER LITER					MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TH NCH	SAR	
CENTRAL VALLEY REGION SACRAMENTO VALLEY																		
S-21-06 14N/04E-14J02																		
YUBA COUNTY																		
06/04/75 1515	5050 5350	M 21	F 7.3 C 8.1	217 209	13 31	9.7 9.8	15 31	.7 1	0 0	102 167	4.9 7.7	9.9 10	6.8 11	.00 --	--	174 110	72 0	0.8
06/04/75 1215	5050	M 20	F 7.1 C 8.0	288 290	21 1.05	15 1.23	15 22	.7 1	0 0	126 72	9.7 20	13 13	14.0 8	.00 --	--	208 150	116 11	0.6
03/05/75 5701	5701	M 62 17	F 7.6 C 7.6	422	38 41	26 2.14	14 13	1.2 1	.6 0	209 3.43	31 73	12 14	14.0 3	-- --	.1 48.0	288	290 30	0.4
06/05/75 1030	5050 5050	M 68 20	F 7.7 C 8.1	393 384	38 1.90	15 1.23	18 20	3.3 1	0 2	180 2.95	25 75	16 13	.0 11	.00 --	--	254 204	156 9	0.6
05/13/75 5701	5701	M 63 17	F 7.5 C 7.5	485	45 44	26 41	16 14	2.7 1	.5 0	239 3.92	36 74	13 7	15.0 5	-- --	.1 46.0	318	220 23	0.5
08/19/75 5701	5701	M 62 17	F 7.4 C 7.4	238	25 1.25	12 1.99	4.0 17	.8 1	.2 0	102 1.67	25 52	9.0 21	3.0 10	-- --	.1 35.0	164	112 28	0.2
07/01/75 5701	5701	M 64 18	F 7.5 C 7.5	530	46 2.30	25 2.06	23 1.00	4.0 18	.5 2	239 3.92	16 33	45 1.27	.0 23	-- --	.1 48.0	325	220 21	0.7
08/19/75 5701	5701	M 64 18	F 7.5 C 7.5	544	50 2.50	32 2.63	16 12	2.1 1	.6 0	268 4.39	25 52	34 9	6.0 16	-- --	.1 34.0	331	256 36	0.4
05/12/75 5701	5701	M 64 18	F 7.7 C 7.7	337	30 1.50	19 1.56	11 13	2.1 1	.6 0	182 2.98	14 29	2.8 11	11.0 18	-- --	.1 50.0	229	152 3	0.4
05/13/75 5701	5701	M 63 17	F 7.4 C 7.4	425	36 1.80	27 2.22	13 12	2.5 1	.4 0	212 3.47	29 60	11 13	15.0 7	-- --	.1 50.0	288	200 27	0.4
08/19/75 5701	5701	M 63 17	F 7.7 C 7.7	378	34 1.70	21 1.73	13 14	1.6 1	.6 0	189 3.10	38 79	8.0 23	.0 6	-- --	.1 37.0	246	174 16	0.4
03/05/75 5701	5701	M 62 17	F 7.6 C 7.6	468	42 2.10	28 2.30	15 13	1.4 1	.6 0	234 3.84	37 77	15 15	10.0 6	-- --	.1 44.0	308	220 27	0.4
06/05/75 0715	5050 5050	M 67 19	F 7.7 C 8.3	277 274	23 1.15	14 1.15	14 21	1.1 1	0 0	154 90	4.4 3	7.1 20	.1 7	.00 --	--	173 139	117 0	0.6
06/09/75 0830	5050 5050	M 67 19	F 7.9 C 8.1	296 301	-- --	-- --	18 78	-- 1	0 0	141 2.31	-- 5.7	1.6 --	-- --	-- --	--	--	121	0.7
06/05/75 1230	5050 5050	M 64 18	F 7.3 C 8.1	668 669	58 2.89	47 3.87	18 31	1.8 1	0 0	356 5.83	52 1.08	10 28	18.0 29	.00 --	--	424 380	340 47	0.4
S-21-07 10N/05E-04J01																		
06/04/75 0845	5050 5050	M 70 21	F 7.5 C 7.8	284 278	-- --	-- --	30 1.31	-- 1	0 0	118 1.93	-- 27	27 76	-- 10	-- --	--	--	78	1.6
06/04/75 0945	5050 5050	M 70 21	F 7.8 C 7.8	247 245	-- --	-- --	19 83	-- 1	0 0	112 1.84	-- 17	17 83	-- 18	-- --	--	--	75	1.0
11N/06E-34B01																		
06/04/75 0730	5050 5050	M 70 21	F 6.9 C 7.8	276 274	21 1.05	9.7 1.80	20 32	1.4 2	0 0	136 2.23	6.1 83	10 13	3.0 2	.10 --	--	217 138	92 0	0.9
06/04/75 1050	5050 5050	M 67 19	F 7.1 C 7.9	269 267	16 1.00	10 1.82	23 31	.6 1	0 0	115 1.88	7.6 16	17 6	2.4 19	.10 --	--	195 133	82 0	1.1
S-21-08 05N/07E-11R02																		
06/17/75 1245	5050 5050	M 69 21	F 7.3 C 7.5	154 153	-- --	-- --	24 1.04	-- 1	0 0	66 1.08	-- 7.4	-- 21	-- --	-- --	--	--	27	2.0



TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LOG	TEMP	FIELD LABORATORY PM EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TH NCM	SAR
CENTRAL VALLEY REGION																	
SACRAMENTO VALLEY																	
SACRAMENTO COUNTY																	
5-21																	
06N/05E-03F01																	
06/17/75	5050	M	64 F 7.3 489	--	--	23	--	0	279	--	15	--	--	--	219		0.7
0715	5050	18 C 7.7 488			1.00		.00	4.57		.42							
06N/05E-31L03																	
06/17/75	5050	M	66 F 7.9 271	--	--	22	--	0	151	--	14	--	--	--	109		0.9
0800	5050	19 C 7.7 275			.96		.00	2.47		.39							
06N/06E-23C02																	
06/17/75	5050	M	65 F 7.3 272	--	--	19	--	0	128	--	16	--	--	--	104		0.8
1445	5050	18 C 7.5 278			.83		.00	2.10		.45							
06N/06E-21P03																	
06/17/75	5050	M	7.3 201	--	--	35	--	0	81	--	6.6	--	--	--	23		3.2
1315	5050	7.4 200			1.52		.00	1.33		.19							
07N/04E-11G02																	
06/16/75	5050	M	66 F 7.7 2020	--	--	278	--	0	197	--	566	--	--	--	381		6.2
1945	5050	19 C 7.5 2100			12.09		.00	3.23		15.96							
07N/05E-03N01																	
06/18/75	5050	M	67 F 7.5 186	--	--	14	--	0	89	--	9.4	--	--	--	65		0.8
0700	5050	19 C 7.6 185			.61		.00	1.46		.27							
07N/05E-07C01																	
06/17/75	5050	M	67 F 7.7 338	--	--	--	--	--	--	--	--	--	--	--	215		
0630	5050	19 C															
07N/06E-10G01																	
06/18/75	5050	M	67 F 7.3 207	--	--	19	--	0	108	--	8.0	--	--	--	63		1.0
0745	5050	19 C 7.6 203			.83		.00	1.77		.23							
07N/07E-08B01																	
06/18/75	5050	M	67 F 7.1 231	--	--	27	--	0	127	--	7.5	--	--	--	66		1.4
1015	5050	19 C 7.5 227			1.17		.00	2.08		.21							
07N/07E-14W01																	
06/18/75	5050	M	66 F 7.3 251	--	--	12	--	0	136	--	5.4	--	--	--	109		0.5
0915	5050	19 C 7.4 258			.52		.00	2.23		.15							
07N/07E-33G01																	
06/18/75	5050	M	66 F 7.1 252	--	--	16	--	0	123	--	14	--	--	--	96		0.7
0815	5050	20 C 7.5 257			.70		.00	2.02		.39							
06N/05E-06H01																	
06/23/75	5050	M	64 F 7.9 492	--	--	22	--	0	187	--	59	--	--	--	191		0.7
1200	5050	18 C 7.6 489			.96		.00	3.06		1.66							
09N/04E-13F01																	
06/23/75	5050	M	63 F 7.3 516	--	--	32	--	0	189	--	55	--	--	--	190		1.0
1300	5050	17 C 7.5 506			1.39		.00	3.10		1.55							
09N/05E-36H01																	
08/27/75	5050	M	68 F 7.7 237	--	--	9.0	--	0	112	--	6.9	--	--	--	90		0.4
1250	5050	20 C 7.8 226			.39		.00	1.84		.19							
09N/06E-25P01																	
06/14/75	5050	M	65 F 6.9 280	--	--	--	--	--	--	--	4.7	--	--	--	172		
1000	5050	18 C									.13						
09N/06E-34W01																	
06/18/75	5050	M	66 F 7.1 240	--	--	12	--	0	110	--	10	--	--	--	96		0.5
1130	5050	19 C 7.5 238			.52		.00	1.80		.28							
09N/07E-10G01																	
06/18/75	5050	M	62 F 7.5 300	--	--	9.0	--	0	159	--	14	--	--	--	141		0.3
1215	5050	17 C 7.5 301			.39		.00	2.01		.39							
09N/07E-16G01																	
04/17/75	5050	M	7.5 390	--	--	--	--	--	--	--	17	--	--	--	260		
1100	5050										.48						
09N/07E-16H01																	
04/17/75	5050	M	7.3 410	--	--	--	--	--	--	--	15	--	--	--	286		
1030	5050										.42						
09N/07E-16P01																	
04/14/75	5050	M	67 F 7.1 550	--	--	--	--	--	--	--	77	--	--	--	382		
1400	5050	19 C									2.17						

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY		PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
			CA	MG			NA	K	CO3	HCO3	SO4	CL	NO3	d	F	TDS SUM	TH NCH	SAR	
CENTRAL VALLEY REGION SACRAMENTO VALLEY																			
S-21.08 09N/07E-16P02																			
04/14/75 1430	535n 505n	M	68 26	F C	6.3 7.1	490 509	--	--	--	--	--	--	26 .73	--	--	--	369		
04/17/75 0730	505n 535n	M	64 18	F C		400	--	--	--	--	--	--	42 1.18	--	--	--	269		
04/17/75 0745	535n 505n	M	68 26	F C	7.1 7.1	355	--	--	--	--	--	--	15 .42	--	--	--	245		
06/18/75 1345	535n 505n	M	63 17	F C	7.3 7.4	420 417	--	--	29 1.26 28	--	0 3.77	230	13 .37	--	--	--	162 1.0		
06/18/75 1500	535n 505n	M	70 21	F C	7.9 7.6	338 322	--	--	29 1.26 41	--	0 .00	161 2.64	46 1.13	--	--	--	91 1.3		
S-21.09 07N/03E-06H01																			
06/19/75 0815	535n 505n	M	60 16	F C	7.7 7.5	976 991	--	--	59 2.57 22	--	0 .00	561 9.19	37 1.04	--	--	--	448 1.2		
06/19/75 0845	535n 505n	M	64 18	F C	7.9 7.6	1310 1340	--	--	79 3.44 23	--	0 .00	526 8.02	134 3.76	--	--	--	592 1.4		
06/19/75 0930	535n 505n	M	65 18	F C	7.7 7.7	1620 1670	--	--	284 12.35 58	--	0 .00	842 14.62	145 4.09	--	--	--	449 5.8		
06/19/75 1445	535n 505n	M	62 17	F C	7.7 7.5	520 517	--	--	34 3.44 28	--	0 .00	242 3.97	36 1.00	--	--	--	193 1.1		
06/19/75 1015	535n 505n	M	64 18	F C	7.9 7.7	530 533	--	--	39 1.70 30	--	0 .00	253 4.15	37 1.04	--	--	--	196 1.2		
06/19/75 1215	535n 505n	M	64 18	F C	8.1 7.6	526 543	--	--	40 1.74 31	--	0 .00	253 4.15	35 .99	--	--	--	195 1.2		
06/19/75 1130	535n 505n	M	65 18	F C	8.1 7.7	495 505	--	--	51 2.22 42	--	0 .00	278 4.56	24 .68	--	--	--	155 1.8		
06/20/75 0800	535n 505n	M	68 20	F C	7.9 7.4	367 376	--	--	23 1.00 26	--	0 .00	178 2.42	16 .45	--	--	--	143 0.8		
06/20/75 0845	535n 505n	M	63 17	F C	7.5 7.6	652 649	--	--	28 1.22 17	--	0 .00	322 5.28	74 2.09	--	--	--	292 0.7		
06/20/75 1045	535n 505n	M	65 18	F C	7.5 7.6	980 991	--	--	60 2.61 24	--	0 .00	472 7.74	66 1.86	--	--	--	418 1.3		
06/20/75 1015	535n 505n	M	65 18	F C	7.5 7.6	486 490	--	--	32 1.39 26	--	0 .00	261 4.28	19 .54	--	--	--	194 1.0		
06/20/75 0930	535n 505n	M	70 21	F C	7.5 8.1	714 734	41 2.05 26	44 3.82 46	51 2.22 28	1.5 .04 1	0 .00	351 5.75 73	48 1.00 13	35 .99 12 2	7.3 .12 2	.20	417 401	283 0	1.3
06/19/75 1245	535n 505n	M			7.9 7.6	403 411	--	--	18 .78 17	--	0 .00	263 4.31	3.6 .11	--	--	--	187 0.6		
S-21.11 04N/03E-31F02																			
05/15/75 1030	535n 505n	M	65 18	F C	8.4 8.2	890 816	--	--	147 6.39 75	--	0 .00	332 5.44	79 2.23	--	--	--	108 6.2		

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER EQUIVALENTS PER LITER					MILLIGRAMS PER LITER					
					CA	MG	NA	K	CO3	PERCENT REACTANCE	VALVE	CL	NO3	B	F	TDS SUM	TH NCH	SAR		
CENTRAL VALLEY REGION SACRAMENTO VALLEY																				
SOLANO COUNTY																				
05/15/75 0745	5050 5050	5050	M	65 16	F 6.3 C 8.5	798 749	7.2 3.6	7.5 6.2	152 6.61	.6 .02	12 .40	319 5.23	77 1.60	24 1.60	.1 .08	1.20 .00	-- --	492 438	49 0	9.5
05/15/75 0845	5050 5050	5050	M	64 18	F 7.5 C 8.2	1780 1570	71 3.54	56 4.61	170 7.40	.6 .02	0 .00	323 5.29	88 1.83	269 7.59	62.0 1.00	.60 .06	-- --	979 876	406 143	3.7
05/20/75 1350	5050 5050	5050	M		7.9 8.4	625 605	-- --	-- --	79 3.44	-- --	2.0 5.16	315 5.16	-- --	25 .71	-- --	-- --	-- --	146		2.8
05/20/75 1245	5050 5050	5050	M		7.3 8.2	900 812	-- --	-- --	61 2.65	-- --	0 3.2	319 5.23	-- --	58 1.64	-- --	-- --	-- --	281		1.6
05/23/75 1030	5050 5050	5050	M	65 18	F 7.7 C 8.4	1300 1200	27 1.35	85 6.99	105 4.57	.6 .02	12 .40	422 6.92	70 1.46	134 3.78	50.0 .81	.30 --	698 691	420 51	2.2	
09/03/75 5701	5701 5701	5701	M	68 26	F 7.4 C 7.9	550	34 1.70	30 2.47	45 1.96	1.6 .05	1.6 .05	295 4.84	28 .58	18 .51	15.0 .24	-- 30.0	.1 348	208 0	1.4	
06/24/75 5701	5701 5701	5701	M	66 19	F 6.9 C 8.3	937	62 3.09	74 6.04	36 1.57	2.3 .06	3.8 .13	555 9.10	34 .71	19 .54	30.0 .48	.52 20.0	.1 555	460 0	0.7	
03/04/75 5701	5701 5701	5701	M	66 19	F 7.5 C 7.5	1120	73 3.64	95 7.81	45 1.96	1.6 .04	1.4 .05	665 10.90	35 .73	31 .87	44.0 .71	-- 43.0	.1 696	572 25	0.8	
03/04/75 5701	5701 5701	5701	M	67 19	F 7.9 C 7.9	605	36 1.80	35 2.88	45 1.96	1.5 .04	1.8 .06	334 5.47	27 .56	18 .51	13.0 .21	-- 28.0	.0 370	236 0	1.3	
06/23/75 5701	5701 5701	5701	M	67 19	F 7.9 C 7.9	753	55 2.74	55 4.52	32 1.39	2.2 .06	2.4 .08	443 7.26	28 .58	19 .54	22.0 .35	-- 31.0	.1 464	366 0	0.7	
06/23/75 5701	5701 5701	5701	M	66 19	F 7.6 C 7.6	955	66 3.29	75 6.17	40 1.74	2.7 .07	1.6 .05	589 9.65	30 .82	19 .54	28.0 .45	-- 33.0	.0 585	472 0	0.8	
05/27/75 1500	5050 5050	5050	M	66 19	F 7.9 C 8.4	1100 1030	-- --	-- --	63 2.74	-- --	1.0 2.2	610 10.00	-- --	32 .90	-- --	-- --	-- --	484		1.2
05/21/75 1300	5050 5050	5050	M	67.5F 19.7C	7.9 8.4	900 842	37 1.85	72 5.92	47 2.04	1.2 .03	2.6 .47	470 7.70	31 .65	23 .65	8.0 .13	.60 --	482 477	391 0	1.0	
05/21/75 1130	5050 5050	5050	M	68.5F 20.3C	8.1 8.4	670 653	43 2.15	47 3.87	34 1.48	2.7 .07	13 .43	363 5.95	29 .60	11 .31	15.0 .24	.60 --	419 374	299 0	0.9	
05/20/75 1445	5050 5050	5050	M	65 18	F 7.5 C 8.1	1190 954	-- --	-- --	47 2.64	-- --	0 .00	557 9.13	-- --	27 .76	-- --	-- --	-- --	469		0.9
05/20/75 1550	5050 5050	5050	M	65 18	F 7.8 C 8.3	925 832	-- --	-- --	47 2.04	-- --	0 .00	477 7.82	-- --	33 .93	-- --	-- --	-- --	400		1.0
05/21/75 1015	5050 5050	5050	M	77 25	F 8.1 C 8.3	520 513	-- --	-- --	97 4.22	-- --	4.0 7.0	250 4.10	-- --	18 .51	-- --	-- --	-- --	92		4.4
05/20/75 1150	5050 5050	5050	M		7.5 8.2	625 602	-- --	-- --	46 2.00	-- --	0 3.2	260 4.26	-- --	48 1.35	-- --	-- --	-- --	212		1.4
05/21/75 0830	5050 5050	5050	M	70 21	F 7.4 C 8.2	380 362	-- --	-- --	31 1.35	-- --	0 .00	163 3.00	-- --	11 .31	-- --	-- --	-- --	129		1.2
SAN JOAQUIN COUNTY																				
04/18/75 5701	5701 5701	5701	M	68 28	F 7.8 C 7.8	517	46 2.30	22 1.81	25 1.89	4.9 .13	.9 .03	211 3.46	14 .29	41 1.18	22.0 .35	-- 73.0	.2 353	208 31	0.8	

MINERAL ANALYSES OF GROUND WATER

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TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP F	FIELD LABORATORY PH	EC	MINERAL ANALYSIS OF CONSTITUENTS IN										MILLIGRAMS PER LITER EQUIVALENTS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER F TDS TM SUM NCH SAR										
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		8	5102																			
CENTRAL VALLEY REGION																																			
SAN JOAQUIN VALLEY																																			
SAN JOAQUIN COUNTY																																			
10/02/74	5110 9597	5-22.01 01N/06E-15E01	M		190 7.4	65 3000	435 5.35	7.0 18.92	0 1.0	159 2.61	12 25	1115 31.44	.0 +00	--	--	--	--	2032 1902	740 611	7.0															
10/02/74	5110 9597	01N/06E-15E03	M		203 7.3	66 4000	478 5.43	7.0 20.79	0 1.0	165 2.70	12 25	1210 34.12	4.0 +06	--	--	--	--	2138 2061	778 644	7.5															
10/23/74	4203 4203	01N/06E-22J01	M		47 2.6	13 1000	165 7.18	3.7 1.0	--	105 2.70	3.5 0.7	270 7.61	.6 +01	--	--	--	--	644	173	5.5															
10/03/74	5110 9597	01N/06E-34J01	M		211 7.4	48 2900	259 3.95	7.0 11.27	0 1.0	354 5.80	67 1.39	678 19.12	21.0 +00	--	--	--	--	1638 1465	722 434	4.2															
10/03/74	5110 9597	01N/06E-35N01	M		116 7.5	34 1500	140 2.80	6.0 1.15	0 +00	287 4.70	24 5.0	364 10.26	.0 +00	--	--	--	--	965 825	430 195	2.9															
10/02/74	5110 9597	01N/06E-35P01	M		46 7.6	15 700	95 2.30	3.0 1.23	0 +00	229 3.75	17 35	138 3.69	1.0 +02	--	--	--	--	541 428	175 0	3.1															
10/02/74	5110 9597	01N/06E-35P02	M		41 7.7	12 600	76 2.05	3.0 1.49	0 +00	237 3.68	22 4.6	82 2.31	1.0 +02	--	--	--	--	471 354	152 0	2.7															
10/03/74	5110 9597	01N/06E-35P03	M		104 7.5	38 1750	194 3.13	6.0 8.44	0 1.15	396 6.99	36 7.5	348 9.81	17.0 +27	--	--	--	--	1133 938	418 92	4.1															
10/22/74	5701	01N/07E-04F01	M	69 21	F C	7.7	257	18 30	7.0 1.58	24 1.04	4.7 1.12	.4 +01	141 2.31	1.0 +02	9.0 25	5.0 +00	--	65.0	204 203	76 0	1.2														
03/12/75	5701		M	64 21	F C	7.7	259	19 35	7.0 1.50	24 1.04	4.3 1.11	.4 +01	129 2.11	9.0 +19	4.0 28	5.0 +06	--	66.0	207	76 0	1.2														
10/22/74	5701	01N/07E-04G01	M	71 22	F C	7.8	198	8.0 20	2.0 1.16	32 1.39	2.0 0.65	.4 +01	111 1.02	1.0 +02	7.0 2.0	2.0 +03	--	57.0	166 166	29 0	2.6														
04/15/75	5701		M	64 21	F C	7.4	205	8.0 1.4	2.0 1.25	32 1.39	1.7 0.6	.6 +02	106 1.74	1.0 +02	10 28	.0 +00	--	56.0	164	32 0	2.4														
02/13/75	5701	01N/07E-05A01	M	69 21	F C	7.7	248	14 1.0	6.0 1.49	22 1.96	4.5 1.2	.4 +01	124 2.03	9.0 +19	9.0 25	1.0 +02	--	64.0	196	74 0	1.1														
04/16/75	5701	01N/07E-05N01	M	60 14	F C	7.7	521	4.3 2.15	21 1.73	30 1.31	4.4 1.11	.7 +02	211 3.46	16 33	34 1.10	27.0 +44	--	61.0	346	196 20	0.9														
04/16/75	5701	01N/07E-07E01	M	60 20	F C	8.0	358	26 1.40	12 1.22	28 1.22	2.9 0.7	.9 +03	152 2.49	9.0 +19	31 8.7	5.0 +08	--	62.0	254	120 254	1.1														
10/22/74	5701	01N/07E-08F02	M	71 22	F C	7.8	243	5.0 2.5	2.0 1.6	49 2.13	1.1 0.3	.6 +02	138 2.26	1.0 +02	10 2.0	2.0 +03	--	64.0	202 293	21 0	4.7														
01/31/75	5701		M	79 20	F C	7.9	250	4.0 2.0	2.0 1.6	49 2.13	1.0 0.3	.7 +02	131 2.15	1.0 +02	11 3.1	1.0 +02	--	64.0	198	20 198	5.0														
03/12/75	5701	01N/07E-08H02	M	70 21	F C	7.9	239	6.0 2.0	2.0 1.6	47 2.04	.9 0.2	.7 +02	126 2.07	2.0 +04	10 2.8	2.0 +03	--	59.0	190	18 190	4.8														
09/12/75	5701		M	67 14	F C	7.4	240	2.0 1.0	6.0 1.96	45 1.76	1.2 1	.2 +01	139 2.28	1.0 +02	10 2.8	.0 +00	--	55.0	189	28 0	3.6														
10/22/74	5701	01N/07E-08P01	M	70 21	F C	7.7	262	11 2.0	4.0 1.83	42 6.6	2.0 2	.4 +01	141 2.31	1.0 +02	15 4.2	2.0 +03	--	63.0	209 210	44 0	2.8														
02/13/75	5701		M	68 20	F C	7.9	269	11 2.0	4.0 1.70	39 5.5	1.9 2	.7 +02	128 2.10	1.0 +02	16 3.0	.0 +05	--	65.0	205	44 0	2.6														

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

TIME	SAMPLER LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER				MILLIGRAMS PER LITER				SAR				
			LABORATORY PH	EC	CA	MG	NA	K	CO3	PERCENT REACTANCE	504 CL	NO3	B	F	TDS	TH						
CENTRAL VALLEY REGION																						
SAN JOAQUIN VALLEY																						
SAN JOAQUIN COUNTY																						
01/22/75	5701	5701	09	21	C	8.0	274	9.0	5.0	4.5	2.4	1.0	142	0.0	16	0.0	--	+2	210	42	0	3.0
07/02/75	5701	5701	69	21	C	7.9	268	10.50	3.0	4.5	2.2	0.8	143	1.0	16	0.0	--	+2	190	38	0	3.2
01/22/75	5701	5701	09	20	C	7.9	289	10.50	5.0	4.4	2.2	0.7	135	3.0	18	1.0	--	+2	210	46	0	2.8
03/12/75	5701	5701	70	21	C	7.4	301	12.60	5.0	4.5	1.7	0.8	145	4.0	19	0.0	--	+2	218	50	0	2.8
07/02/75	5701	5701	60	20	C	7.4	318	15.75	6.0	4.5	2.4	0.6	150	5.0	26	0.0	--	+1	223	62	0	2.5
06/11/75	5050	5050	64	18	C	7.0	336	--	--	--	0	138	--	16	--	--	--	--	--	120	0.9	
04/16/75	5701	5701	60	20	C	8.0	255	9.0	4.0	4.2	1.6	0.8	135	1.0	14	0.0	--	+2	201	38	0	2.9
09/11/75	5701	5701	60	20	C	7.8	280	14.70	4.0	4.0	1.7	0.4	136	1.0	17	4.0	--	+1	198	50	0	2.4
05/20/75	5701	5701	70	21	C	7.7	278	10.50	3.0	4.7	1.6	0.5	153	3.0	10	3.0	--	+1	209	38	0	3.3
08/21/75	5701	5701	69	21	C	7.8	270	14.26	3.0	3.9	1.5	0.6	131	2.0	17	0.2	--	+2	193	48	0	2.5
08/21/75	5701	5701	69	21	C	7.7	316	14.70	5.0	4.4	1.4	0.5	143	1.0	26	0.0	--	+2	213	56	0	2.6
01/22/75	5701	5701	67	19	C	7.9	279	10.50	4.0	4.7	1.6	0.8	140	0.0	17	0.0	--	+2	209	40	0	3.2
01/22/75	5701	5701	66	19	C	7.6	428	14.35	8.0	4.4	2.2	0.4	131	13	58	0.0	--	+2	268	104	0	1.9
09/11/75	5701	5701	66	19	C	7.5	458	13.16	9.0	4.4	2.8	0.3	131	20	66	0.0	--	+2	289	120	12	1.8
06/11/75	5050	5050	66	19	C	8.0	445	--	--	23	--	0	230	--	24	--	--	--	--	193	0.7	
06/16/75	5050	5050	66	19	C	7.4	228	--	--	8.2	--	0	102	--	14	--	--	--	--	84	0.4	
10/02/74	5110	9997	7.8	440			440	2.50	12	21	4.0	0	214	14	26	10.0	--	--	347	172	0	0.7
10/02/74	5110	9997	7.7	440			440	2.35	13	30	3.0	0	256	14	14	7.0	--	--	381	172	0	1.0
10/02/74	5110	9997	7.6	700			700	3.79	27	2.2	1.2	0.0	4.70	79	1.47	7.1	--	--	552	302	86	0.7
10/08/74	4203	4203	8.2	429			429	1.60	12	24	3.9	--	173	10	25	1.0	--	--	299	134		0.9
16/11/75	5050	5050	65	18	C	7.7	480	--	--	19	--	0	220	--	30	--	--	--	--	218	0.6	

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

MINERAL ANALYSES OF GROUND WATER																														
DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER					
					CA	MG	NA	K	CO3	CU3	SO4	CL	NO3	8	9	105	TM	SAR												
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY																														
SAN JOAQUIN COUNTY																														
10/03/74	5110 9597	5-22 5-22.61 02N/06E-16U03	M	7.3	260	28 1.40 25	9.0 .74 25	16 .70 24	4.0 .10 3	0 .00 1	152 2.49 81	14 .29 9	10 .28 9	1.0 .02 1	--	--	--	--	--	--	--	--	--	--	--	230 157	108 0	0.7		
10/03/74	5110 9597	02N/06E-16E01	M	7.8	360	40 2.00 52	9.0 .74 19	24 1.04 27	3.0 .08 2	0 .00 1	183 3.00 72	19 .40 10	24 .68 16	5.0 .08 2	--	--	--	--	--	--	--	--	--	--	--	304 214	135 0	0.9		
10/23/74	4203 4203	02N/06E-16H01	M	7.6	420	24 1.46 36	12 1.00 25	33 1.44 36	4.3 .11 3	--	161 2.64 64	17 .35 8	41 1.16 28	1.1 .00 1	--	--	--	--	--	--	--	--	--	--	--	273 124	124 0	1.3		
10/03/74	5110 9597	02N/06E-17A01	M	7.3	440	48 2.40 51	17 1.40 30	20 .87 18	2.0 .05 1	0 .00 1	201 3.29 89	19 .40 8	32 .90 19	14.0 .19 4	--	--	--	--	--	--	--	--	--	--	--	349 249	190 26	0.6		
10/01/74	4201 4203	02N/06E-17J01	M	7.5	307	23 1.17 44	7.0 .58 22	21 .91 34	--	--	138 2.26 82	4.5 .09 3	14 .39 14	.6 .01 1	--	--	--	--	--	--	--	--	--	--	--	161 88	88 0	1.6		
10/01/74	5110 9597	02N/06E-19L01	M	7.8	750	32 1.60 21	7.0 .58 8	123 5.35 71	2.0 .05 1	0 .00 1	250 4.10 53	12 .25 3	120 3.36 44	.0 .00 1	--	--	--	--	--	--	--	--	--	--	--	544 419	107 0	5.1		
10/01/74	5110 9597	02N/06E-19P01	M	7.4	1090	36 1.80 18	10 .82 8	174 7.57 74	3.0 .08 1	0 .00 1	238 3.77 37	5.0 .10 1	232 6.54 62	.0 .00 1	--	--	--	--	--	--	--	--	--	--	--	695 577	132 0	6.6		
10/01/74	5110 9597	02N/06E-19P02	M	7.8	850	28 1.40 16	10 .82 10	143 6.22 73	3.0 .08 1	0 .00 1	256 4.20 49	17 .35 8	140 3.95 46	.0 .00 1	--	--	--	--	--	--	--	--	--	--	--	594 467	110 0	5.9		
10/01/74	4203 4203	02N/06E-20F01	M	7.8	342	26 1.34 38	8.8 .72 20	34 1.50 42	--	--	165 2.70 74	4.5 .09 2	30 .86 23	.5 .01 1	--	--	--	--	--	--	--	--	--	--	--	249 169	104 0	1.5		
10/03/74	5110 9597	02N/06E-20J01	M	7.9	300	19 .95 24	8.0 .06 20	36 1.57 48	3.0 .08 2	0 .00 1	171 2.80 85	7.0 .15 5	12 .30 10	.0 .00 1	--	--	--	--	--	--	--	--	--	--	--	253 169	80 0	1.7		
10/03/74	5110 9597	02N/06E-20L01	M	7.7	650	55 2.74 42	19 1.56 24	49 2.13 32	6.0 .15 2	0 .00 1	202 4.29 63	22 .46 7	72 2.03 30	1.0 .02 1	--	--	--	--	--	--	--	--	--	--	--	489 353	215 1	1.5		
10/08/74	4203 4203	02N/06E-20M02	M	8.3	413	22 1.14 29	11 .93 24	40 1.74 45	4.0 .10 3	--	146 2.39 70	7.5 .16 5	31 1.07 25	.3 .00 1	--	--	--	--	--	--	--	--	--	--	--	308 296	104 0	1.7		
10/03/74	5110 9597	02N/06E-21C01	M	7.8	360	35 1.75 46	13 1.07 28	20 .87 23	4.0 .10 3	0 .00 1	189 3.10 76	17 .35 9	22 .62 15	.0 .00 1	--	--	--	--	--	--	--	--	--	--	--	296 204	142 0	0.7		
10/03/74	5110 9597	02N/06E-21C02	M	7.7	580	55 3.24 52	17 1.40 23	35 1.52 25	1.0 .03 1	0 .00 1	256 4.00 66	46 .96 15	44 1.24 14	.0 .00 1	--	--	--	--	--	--	--	--	--	--	--	463 334	232 22	1.0		
10/02/74	5110 9597	02N/06E-21F01	M	7.1	690	78 3.89 52	23 1.89 25	38 1.65 22	2.0 .05 1	0 .00 1	293 4.66 68	41 .85 12	46 1.30 18	8.0 .13 2	--	--	--	--	--	--	--	--	--	--	--	527 380	290 49	1.0		
10/03/74	5110 9597	02N/06E-21F02	M	7.9	280	29 1.45 47	8.0 .66 21	21 .87 29	3.0 .08 3	0 .00 1	159 2.61 79	14 .29 9	14 .39 12	.0 .00 1	--	--	--	--	--	--	--	--	--	--	--	245 167	105 0	0.9		
05/20/75	5701 5701	02N/06E-21K01	M	65 18	F C	7.6	383	36 1.80 45	15 1.23 31	20 2.22 22	5.0 .87 13	.5 .02 1	180 2.95 12	23 .48 12	20 .56 14	.0 .00 1	--	--	--	--	--	--	--	--	--	45.0 253	150 3	0.7		
09/12/75	5701 5701			64 21	F C	7.1	362	34 1.70 44	15 1.23 32	19 .83 21	4.7 .12 3	.2 .01 1	190 3.11 79	20 .42 11	14 .39 10	2.0 .03 1	--	--	--	--	--	--	--	--	--	44.0 246	146 0	0.7		
02/13/75	5701 5701	02N/06E-22B01	M	65 18	F C	7.8	458	46 2.30 47	20 1.64 34	19 .83 17	4.2 .11 2	.8 .03 1	196 3.21 68	38 .79 17	24 .68 14	1.0 .02 1	--	--	--	--	--	--	--	--	--	57.0 306	35 35	0.6		
02/25/75	5701 5701			8.0	449	44 2.20 47	19 1.56 33	20 .87 18	1.3 .10 2	1.3 .04 2	195 3.20 67	38 .79 16	24 .68 14	5.0 .08 2	.25	.2	59.0	311	198 26	0.6										



TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CU3	MO3	SO4	CL	NO3	8	F	TDS SUM	TH NCH	SAR
*****																	
CENTRAL VALLEY REGION																	
SAN JOAQUIN VALLEY																	
SAN JOAQUIN COUNTY																	
*****																	
02/14/75	5701	M	b.1	393	38	17	18	4.0	1.5	180	30	20	4.0	.00	.2	164	
	5701				1.90	1.40	.78	.10	.05	2.95	.62	.56	.06				50.0
*****																	
02/13/75	5701	M	F	6.1	318	24	8.0	29	3.5	1.3	156	10	15	1.0	.54	.2	94
	5701					1.20	.66	1.26	.09	.04	2.56	.21	.42	.02			
*****																	
03/12/75	5701	M	F	7.9	372	31	14	25	4.0	1.0	101	19	15	.0	.55	.2	134
	5701					1.55	1.15	1.09	.10	.03	2.97	.40	.42	.00			
*****																	
09/12/75	5701	M	F	7.4	381	34	15	22	4.5	.3	193	24	14	3.0	.48	.2	148
	5701					1.70	1.23	.96	.12	.01	3.16	.50	.37	.05			
*****																	
10/24/74	5701	M		7.8	382	30	16	25	4.2	.8	194	19	12	3.0	.62	.1	268
	5701					1.50	1.32	1.09	.11	.03	3.18	.40	.34	.05			
*****																	
04/15/75	5701	M	F	7.6	398	30	17	25	3.6	.5	190	23	13	6.0	.58	.2	144
	5701					1.50	1.40	1.09	.09	.02	3.11	.48	.37	.10			
*****																	
04/15/75	5701	M	F	7.7	360	27	14	28	3.8	.6	182	18	13	.0	.55	.2	124
	5701					1.35	1.15	1.22	.10	.02	2.90	.37	.37	.00			
*****																	
10/23/74	5701	M	F	7.9	366	29	14	25	5.4	1.0	189	16	14	.0	.50	.2	248
	5701					1.45	1.15	1.09	.14	.03	3.10	.33	.39	.00			
*****																	
05/20/75	5701	M	F	7.9	382	34	15	25	5.5	1.1	194	20	12	3.0	.47	.2	144
	5701					1.70	1.23	1.09	.14	.04	3.25	.42	.34	.05			
*****																	
10/23/74	5701	M	F	7.8	391	31	15	27	5.2	.9	199	16	16	.0	.52	.1	261
	5701					1.55	1.23	1.17	.13	.03	3.26	.33	.45	.00			
*****																	
02/13/75	5701	M	F	7.8	403	34	17	27	5.2	.8	201	19	15	.0	.52	.1	152
	5701					1.70	1.40	1.17	.13	.03	3.29	.40	.42	.00			
*****																	
10/23/74	5701	M		7.6	385	29	12	32	4.6	.5	187	17	17	4.0	.60	.1	268
	5701					1.45	.99	1.39	.12	.02	3.06	.35	.48	.06			
*****																	
08/21/75	5701	M	F	7.8	250	14	5.0	34	2.4	.6	138	6.0	9.0	.0	.47	.2	54
	5701					.70	.41	1.48	.05	.02	2.26	.12	.25	.00			
*****																	
10/01/74	5110	M		8.0	460	15	7.0	84	1.0	0	238	2.0	48	.0	.55	.2	394
	9597					.75	.58	3.65	.03	.00	3.70	.04	1.35	.00			
*****																	
10/01/74	5110	M		7.9	680	19	6.0	130	2.0	0	275	7.0	92	.0	.55	.2	529
	9597					.95	.49	5.66	.05	.00	4.51	.15	2.54	.00			
*****																	
08/21/75	5701	M	F	7.9	270	9.0	3.0	47	1.6	.8	155	3.0	9.0	.0	.51	.2	36
	5701					.45	.25	2.04	.04	.03	2.54	.06	.25	.00			
*****																	
08/21/75	5701	M	F	7.8	319	10	4.0	58	1.4	.8	187	1.0	14	.0	.40	.2	44
	5701					.50	.33	2.52	.04	.03	3.06	.02	.39	.00			
*****																	
08/21/75	5701	M	F	7.6	362	26	9.0	40	1.6	.5	175	12	25	.0	.44	.1	102
	5701					1.30	.74	1.74	.04	.02	2.87	.25	.71	.00			
*****																	
09/12/75	5701	M	F	7.4	305	13	5.0	45	2.0	.3	163	5.0	11	.0	.52	.1	52
	5701					.65	.41	1.96	.05	.01	2.67	.10	.31	.00			
*****																	
03/12/75	5701	M	F	8.0	310	12	4.0	50	2.1	1.1	162	.0	19	.0	.49	.1	48
	5701					.86	.33	2.18	.05	.04	2.66	.00	.54	.00			
*****																	
03/12/75	5701	M	F	7.7	481	31	15	50	2.1	.8	236	15	31	.0	.49	.1	138
	5701					1.35	1.23	2.18	.05	.03	3.87	.31	.87	.00			

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

MINERAL ANALYSES OF GROUNDWATER																			
DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN PERCENT	MILLIGRAMS PER LITER										MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	CO3	SO4	CL	NO3	NO3	B	F	TDS SUM	TH NCH	SAR
CENTRAL VALLEY REGION																			
SAN JOAQUIN VALLEY																			
SAN JOAQUIN COUNTY																			
05/21/75	5701	5-22.61	M																
	5701	02N/06E-34#01	67 F 19 C	7.7	517	2,20 41	1,56 29	1,48 28	5.3 3	.7 0.02	202 61	35 13	23 12	45.0 13	--	.+1 50.0	355	188 22	1.1
05/20/75	5701	02N/06E-34C01	M																
	5701		67 F 19 C	7.7	239	14 28	4.0 13	33 57	2.7 3	.4 0.01	131 89	.0 10	8.0 1	1.0 1	--	.+3 48.0	176	50 0	2.0
03/18/75	5701	02N/06E-34K02	M																
	5701		7.9	275	14 25	5.0 15	37 58	1.5 1	1.5 0.04	.7 0.02	133 80	2.0 1	17 18	1.0 1	.07	.+2 57.0	201	54 0	2.2
03/12/75	5701	02N/06E-34Q01	M																
	5701		68 F 20 C	7.8	834	2,84 37	2,40 30	2,52 32	1.0 1	.6 0.02	136 29	13 4	179 67	.0 0	--	.+1 57.0	463	256 145	1.6
09/10/75	5701		69 F 21 C	7.6	573	36 33	17 26	50 40	3.2 1	.01	134 41	1.0 1	110 58	.0 0.00	--	.+3 46.0	329	160 50	1.7
	5701	02N/06E-35#01	M																
04/19/75	5701		68 F 20 C	7.9	382	1,50 39	1.15 30	1,09 28	5.6 4	1.0 0.03	179 74	22 12	15 12	6.0 10	--	.+1 65.0	272	134 0	0.9
	5701	02N/06E-36A01	M																
08/21/75	5701		68 F 20 C	7.4	378	1,85 46	1.32 33	1.74 18	6.0 4	.3 0.01	195 3,20	14 80	14 10	8.0 3	--	.+1 57.0	265	158 0	0.6
	5701		65 F 18 C	7.5	378	34 42	17 1.70	18 35	6.4 1.40	.4 0.01	200 3,28	13 27	12 11	7.0 11	--	.+1 59.0	265	156 0	0.6
04/15/75	5701	02N/06E-36D01	M																
	5701		71 F 21 C	7.7	335	27 38	14 33	4.3 26	.6 1	.8 0.01	177 81	13 1	10 8	6.0 3	--	.+1 61.0	244	126 0	0.8
12/20/74	5701	02N/06E-36F01	M																
	5701		68 F 20 C	7.6	218	14 70	7.0 38	27 23	2.7 46	.3 0.01	126 2,07	4.0 86	8.0 10	1.0 1	--	.+1 64.0	190	63 0	1.5
04/11/75	5701	02N/06E-36G01	M																
	5701		67 F 19 C	7.9	249	16 40	8.0 26	24 40	2.8 1.04	.7 0.07	133 2,18	6.0 12	10 11	3.0 0.05	.02	.+2 56.0	192	74 0	1.2
08/21/75	5701	02N/06E-36N03	M																
	5701		68 F 24 C	7.6	412	42 46	17 1.40	18 32	5.0 1.78	.6 0.13	214 3,51	18 80	11 7	10.0 4	--	.+1 53.0	280	176 0	0.6
07/02/75	5701	02N/06E-36R03	M																
	5701		76 F 21 C	7.5	395	36 1.80	17 1.40	18 34	5.1 1.78	.4 0.13	185 3,03	13 73	19 13	18.0 7	--	.+1 55.0	272	162 8	0.6
10/01/74	5110 4597	02N/07E-07D02	M																
			7.7	400	41 2.05	20 1.84	17 45	5.0 36	0 1.74	0 0.13	232 3,80	24 81	12 11	4.0 1	--	--	350 237	185 0	0.5
08/11/75	5050 1130	02N/07E-12J02	M																
			64 F 18 C	7.5	717	--	--	29 1.26	--	0 0.00	300 4.92	--	22 62	--	--	--	--	999	0.7
08/11/75	5050 1215	02N/07E-20E04	M																
			67 F 19 C	7.5	355	--	--	18 1.78	--	0 0.00	181 2,97	--	8.0 23	--	--	--	--	146	0.6
08/11/75	5050 1015	02N/08E-21J01	M																
			67 F 19 C	7.5	249	--	--	14 1.81	--	0 0.00	147 2,41	--	5.2 15	--	--	--	--	98	0.6
10/01/74	5110 4597	03N/06E-15005	M																
			7.8	430	42 2.10	18 1.48	23 31	6.0 1.15	0 0.00	226 3.70	16 76	20 12	16.0 5	--	--	--	361 252	190 0	0.7
08/11/75	5050 1345	03N/06E-17M03	M																
			67 F 19 C	7.3	443	--	--	30 1.31	--	0 0.00	244 4.00	--	12 34	--	--	--	--	183	1.0
06/11/75	5050 1445	03N/08E-15A02	M																
			7.3 7.6	173 171	--	--	19 47	--	0 0.00	82 1.34	--	7.5 21	--	--	--	--	--	47	1.2

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				TDS SUM	TH NCH	SAR	
			PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	5102				
CENTRAL VALLEY REGION																				
SAN JOAQUIN VALLEY																				
SAN JOAQUIN COUNTY																				
06/12/75 0730	5050 5050	5 5-22	64 M	F 7.7 C 7.6	474 476	-- --	-- --	40 1.74 33	-- --	0 +00	273 4.47	-- --	9.0 .25	-- --	-- --	174	85	1.3		
06/12/75 0815	5050 5050	5-22.61 04N/05E-24J03	62 M	F 7.3 C 7.4	250 252	-- --	-- --	16 .70 27	-- --	0 +0	140 2.29	-- --	4.7 .13	-- --	-- --	97	85	0.7		
10/01/74	5110 9597	04N/06E-16R07	64 M	F 7.4 C 7.5	340 341	-- --	-- --	16 .90 36	10 .82 35	2.0 .57 24	0 +00	110 1.80 73	16 .33 13	8.0 .23 11	7.0 .11 4	182 128	85 0	0.6		
06/12/75 1000	5350 5050	04N/06E-34E05	66 M	F 7.1 C 7.4	340 341	-- --	-- --	20 .87 25	-- --	0 +00	146 2.36	-- --	24 .66	-- --	-- --	128	85	0.8		
06/12/75 0915	5050 5050	04N/07E-15E01	65 M	F 7.3 C 7.3	259 213	-- --	-- --	15 .65 31	-- --	0 +00	95 1.56	-- --	10 .28	-- --	-- --	73	85	0.8		
06/11/75 1530	5050 5050	04N/08E-22K02	71 M	F 7.1 C 7.6	243 240	-- --	-- --	14 .61 26	-- --	0 +00	119 1.95	-- --	16 .43	-- --	-- --	88	85	0.6		
06/12/75 1130	5050 5050	05N/08E-26P01	71 M	F 7.3 C 7.1	139 135	-- --	-- --	12 .52 40	-- --	0 +00	63 1.03	-- --	6.8 .19	-- --	-- --	39	85	0.8		
06/17/75 1400	5050 5050	06N/06E-33J02	67 M	F 7.3 C 7.6	194 199	-- --	-- --	16 .70 35	-- --	0 +00	85 1.39	-- --	10 .28	-- --	-- --	65	85	0.9		
06/10/75 0730	5050 5050	01S/06E-23C02	66 M	F 7.7 C 8.1	589 597	-- --	-- --	63 2.74 50	-- --	0 +00	147 2.41	-- --	107 3.02	-- --	-- --	139	85	2.3		
10/02/74	5110 9597	01S/06E-23L01	190 M	F 7.2	2200	--	--	49 9.48 40	23 10.03 17	9.0 .23 42	0 +00	420 6.88 28	65 1.35 6	558 15.74 65	16.0 .29 1	--	1531 1327	674 332	3.9	
10/02/74	5110 9597	01K/06E-25M02	420 M	F 7.0	420	--	--	39 1.95 43	10 .42 18	38 1.65 37	4.0 .10 2	0 +00	168 2.75 62	12 2.25 6	45 1.27 3	9.0 .15 3	--	321 240	135 1	1.4
10/02/74	5110 9597	01S/06E-26J02	1790 M	F 7.7	1790	--	--	48 4.89 27	24 1.97 11	250 11.27 62	0 +00	473 7.75 43	82 1.71 4	300 8.44 46	18.0 .29 2	--	1254 1019	345 0	6.1	
10/01/74	5110 9597	01S/06E-26L01	1230 M	F 7.0	1230	--	--	110 5.49 47	23 1.84 16	95 4.13 35	7.0 .18 2	0 +00	231 3.79 32	26 .54 5	258 7.28 61	21.0 .34 3	--	764 654	368 180	2.2
10/03/74	5110 9597	01S/06E-35D01	1730 M	F 7.7	1730	--	--	148 7.39 46	26 2.14 13	150 6.53 40	6.0 .15 1	0 +00	282 4.62 28	43 .90 5	388 10.94 66	3.0 .05 0	--	1040 903	475 246	3.0
10/02/74	5110 9597	01S/06E-35E04	2000 M	F 7.7	2000	--	--	180 8.98 43	40 3.29 16	200 11.27 41	6.0 .15 1	0 +00	267 4.38 28	190 3.96 18	462 13.03 60	15.0 .24 1	--	1354 1224	612 395	3.5
06/11/75 0810	5050 5050	01S/07E-21G01	66 M	F 7.7 C 7.8	397 404	-- --	-- --	25 1.09 29	-- --	0 +00	90 1.48	-- --	13 .37	-- --	-- --	132	85	0.9		
06/10/75 1540	5050 5050	01S/08E-16R01	68 M	F 7.5 C 8.1	365 363	-- --	-- --	22 .96 25	-- --	0 +00	193 3.16	-- --	11 .31	-- --	-- --	147	85	0.8		
06/10/75 1500	5050 5050	01S/09E-16P02	66 M	F 7.3 C 8.1	562 566	-- --	-- --	27 1.17 19	-- --	0 +00	306 5.02	-- --	24 .68	-- --	-- --	251	85	0.7		
06/10/75 0900	5050 5050	02S/04E-16A01	67 M	F 7.5 C 8.0	2870 2960	-- --	-- --	352 15.31 51	-- --	0 +00	347 5.69	-- --	604 17.03	-- --	-- --	730	85	5.7		
06/10/75 1000	5050 5050	02S/05E-25O02	66 M	F 7.5 C 7.8	1540 1590	-- --	-- --	118 5.13 32	-- --	0 +00	197 3.23	-- --	245 6.91	-- --	-- --	442	85	2.2		

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD		MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER									
			LABORATORY PH	EC		Ca	Mg	Na	K	CO3	HCO3	SO4	CL	NO3	8	F	TDS SUM	TH NCM	SAR	
CENTRAL VALLEY REGION																				
SAN JOAQUIN VALLEY																				
SAN JOAQUIN COUNTY																				
11/08/74 1640	5050	5-22,51 025/06E-20K01	M	66.5F 26.3C	8.0 8.1	746	1.25 18	12 14	109 67	1.0 1	0 0.00	162 2.66	147 3.06	46 1.35	1.8 .03	.50	--	464 425	110 0	4.5
	5050	025/06E-20K02	M	70 F 21 C	8.0 7.8	2780	171 8.53	99 8.14	109 8.44	6.2 16	0 1	109 1.79	137 2.85	721 20.33	3.5 3.06	.70	--	1580 1386	836 745	2.9
11/08/74 1730	5050	025/06E-20L01	M	72 F 22 C	8.0 8.0	1470	65 3.24	37 3.04	160 6.96	3.9 1	0 0.00	120 1.97	150 3.12	284 8.01	3.7 1.06	.80	--	850 763	314 216	3.9
	5050	025/06E-20R01	M	68 F 20 C	7.9 7.9	881	46 2.30	21 28	94 4.69	2.5 1	0 0.00	147 2.41	154 3.21	84 2.51	.1 1.06	.40	--	549 479	200 81	2.9
11/08/74 1634	5050	025/06E-20R03	M	66.5F 20.3C	8.0 8.0	810	44 2.20	18 1.48	91 3.96	2.5 1	0 0.00	144 2.36	162 3.37	67 1.89	2.1 .03	.40	--	510 458	182 66	2.9
	5050	025/07E-07401	M	65 F 18 C	7.5 8.1	547 552	59 2.94	18 1.48	30 1.31	3.6 1	0 0.00	259 4.25	25 52	14 6.06	10.0 .61	.10	--	370 315	219 9	0.9
06/10/75 1415	5050	025/09E-15P01	M	67 F 14 C	8.1 7.7	197 199	-- --	-- --	15 .65	-- 32	0 0.00	141 1.66	-- --	6.6 .19	-- --	--	--	68	0.8	
	5050	025/09E-19802	M	60 F 14 C	7.3 7.3	255 256	-- --	-- --	14 .61	-- 25	0 0.00	87 1.43	-- --	3.9 .11	-- --	--	--	93	0.6	
06/10/75 1045	5050	045/06E-09001	M	7.7 8.0	603 630	-- --	-- --	42 1.83	-- 30	0 0.00	184 3.02	-- --	55 1.95	-- --	--	--	214	1.2		
	5050	5-22,51 01N/03E-17E01	M	7.5 8.2	1306 1200	-- --	-- --	118 5.13	-- 40	0 0.00	316 5.18	-- --	180 4.51	-- --	--	--	383	2.6		
06/24/75 1100	5050	02N/02E-20A01	M	67 F 14 C	7.3 8.2	1675 1520	77 3.04	55 4.52	158 6.87	4.9 1	0 0.00	328 5.38	144 3.00	215 6.06	55.0 .89	.50	--	950 871	419 149	3.4
	5050	01S/03E-15A01	M	69 F 21 C	7.6 8.1	3750 3050	-- --	-- --	600 26.10	-- 88	0 0.00	308 5.05	-- --	778 21.94	-- --	--	--	184	19.2	
LOWER LAKE																				
06/12/75 1350	5050	12N/07W-01F01	M	65.0F 18.3C	6.3 8.2	230 226	15 .75	9.8 .81	16 .70	.2 1	0 0.01	81 1.33	29 .60	5.4 .15	4.1 .07	.00	--	160 119	78 12	0.8
	5050	12N/07W-01M02	M	61.0F 16.1C	6.5	350	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/12/75 1315	5050	12N/07W-13N01	M	60.0F 15.5C	6.5 8.4	680 593	-- --	-- --	-- --	-- --	4.0 .13	346 5.07	-- --	13 .37	--	--	--	195	--	--
	5050	12N/07W-14F02	M	68.0F 20.0C	7.1	3000	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MINERAL ANALYSES OF GROUND WATER

[illegible]

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH EC	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
				Ca	Mg	Na	K	CO3	PERCENT HCO3	PERCENT HCO3	CL	NO3	SO4	F	TDS SUM	TH ACH	SAW	
LAHONTAN REGION SURPRISE VALLEY																		
6-01																		
08/13/75 0905	5050 5050	65.0F 15.5C	7.1 8.4	275 263	31 1.55 54	10 .82 29	10 .44 15	2.1 .05 2	1.0 .10 4	127 2.57 46	3.8 .09 3	2.5 .17 2	2.1 .03 1	.00	--	105 142	11.4 0	0.4
08/13/75 0920	5050	64.0F 17.8C	7.4	320	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/13/75 0745	5050 5050	65.0F 14.3C	7.3 8.2	230 230	--	--	--	--	0 .00	114 1.87 89	--	4.5 .11 7	5.8 .39 4	--	--	--	27	--
08/13/75 0750	5050	53.0F 11.7C	6.3	335	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/13/75 0830	5050 5050	54.0F 12.2C	6.7 8.0	180 172	16 .80 45	5.4 .44 25	11 .48 27	2.1 .05 3	0 .00	.00 1.44 61	4.5 .20 11	3.7 .10 5	3.1 .05 3	.00	--	107 95	8.2 0	0.6
08/13/75 0810	5050 5050	55.0F 12.8C	7.7 8.3	355 354	33 1.05 46	11 .40 25	20 .87 25	4.0 .13 4	0 .00	133 2.18 61	30 .81 23	2.0 .30 10	2.0 .03 1	.10	--	248 195	129 114	0.8
6-02																		
MADELINE PLAIN																		
08/15/75 0900	5050	54.0F 15.0C	7.4	175	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/15/75 0945	5050	63.0F 17.2C	7.7	275	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/15/75 1000	5050	60.0F 15.5C	7.5	145	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/15/75 0915	5050 5050	53.0F 11.7C	7.2 8.7	1075 906	73 3.04 34	59 4.05 46	45 1.98 16	8.0 .20 2	28 .93 9	404 6.62 63	28 .58 6	4.2 1.18 11	7.0 1.13 11	.00	--	543 552	427 47	1.0
08/15/75 0800	5050	57.0F 13.9C	7.6	450	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/10/75 0810	5050	66.0F 18.9C	7.5	3300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-03																		
WILLOW CREEK VALLEY																		
08/17/75 0815	5050	56.0F 13.3C	7.3	375	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-04																		
HONEY LAKE VALLEY																		
07/23/75 0925	5050 5050	63.0F 17.2C	7.2 8.5	365 343	28 1.40 34	9.2 .76 21	32 1.39 38	2.8 .07 2	2.0 .20 5	171 2.80 76	4.2 .17 5	8.4 .24 7	18.0 1.28 28	.00	--	244 194	108 0	1.3
07/23/75 1045	5050	57.0F 15.0C	7.4	450	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75 1030	5050	61.0F 16.1C	7.7	290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75 1020	5050	64.0F 21.0C	6.4	230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75 1215	5050	71.0F 21.6C	6.8	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75 1230	5050	65.0F 18.3C	7.0	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER						MILLIGRAMS PER LITER																
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	8	F	TDS	TH	5AR													
6-04		LAHUNTAN REGION MONEY LAKE VALLEY																													
07/23/75 1115	5050	26N/16E-15E03	M	7.0	670	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/23/75 1140	5050	26N/17E-18H01	M	7.1	940	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/22/75 1600	5050	27N/14E-06C01	M	6.8	350	40	7.0	12	3.3	3.0	146	10	8.3	13.0	4.00	--	208	129	5	0.5											
	5050			6.8	307	2.0	5.8	16	0.8	1.0	2.39	0.21	0.23	0.21																	
07/23/75 1350	5050	27N/14E-26E01	M	6.5	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			6.5	15.0C																										
07/23/75 1415	5050	27N/14E-26F05	M	6.8	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			6.8	17.2C																										
07/23/75 1310	5050	27N/15E-25K01	M	7.0	650	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			7.0	16.1C																										
07/23/75 1255	5050	27N/16E-30H01	M	6.0	610	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			6.0	16.1C																										
07/22/75 1425	5050	28N/14E-06H01	M	7.3	420	--	--	--	--	6.0	190	--	13	23.0	--	--	30														
	5050			7.3	422					2.0	3.11		0.37	0.37																	
07/22/75 1450	5050	28N/14E-08A01	M	7.5	390	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			7.5	17.8C																										
07/22/75 1510	5050	28N/14E-17H01	M	7.2	960	7.3	15	7.4	6.4	0	417	27	19	14.0	4.10	--	471	245	0	2.1											
	5050			7.2	736	3.6	1.23	3.22	1.6	0.00	6.83	0.56	0.54	0.23			434														
07/22/75 1525	5050	28N/14E-17H02	M	7.9	375	26	5.4	33	1.1	0	153	21	8.2	3.1	4.00	--	178	87	0	1.5											
	5050			7.9	311	1.30	0.44	1.44	0.03	0.00	2.51	0.44	0.23	0.05			173														
07/22/75 1615	5050	28N/16E-25L01	M	6.8	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			6.8	16.1C																										
07/16/75 1020	5050	28N/17E-18K01	M	8.1	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			8.1	17.2C																										
07/16/75 1515	5050	29H/12E-02P00	M	7.5	485	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			7.5	14.4C																										
07/17/75 1130	5050	29H/12E-04G01	M	7.9	655	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			7.9	26.1C																										
07/15/75 0900	5050	29N/12E-15A01	M	6.8	230	14	6.9	15	1.5	0	119	3.6	2.7	5.0	4.10	--	149	76	0	0.8											
	5050			6.8	205	0.5	0.57	0.65	0.04	0.00	1.95	0.07	0.08	0.08			112														
07/22/75 1130	5050	29N/13E-01V01	M	7.6	745	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			7.6	15.0C																										
07/16/75 0745	5050	29H/13E-04H01	M	7.7	230	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			7.7	25.5C																										
07/15/75 1045	5050	29H/13E-16A03	M	7.3	3600	--	--	--	--	4.0	334	--	78	5.0	--	--	973														
	5050			7.3	3230					0.13	5.47		2.20	0.08																	
07/15/75 1000	5050	29N/13E-17C05	M	7.2	460	--	--	--	--	0	166	--	10	2.5	--	--	131														
	5050			7.2	410					0.00	2.72		0.26	0.04																	



TABLE E-1 (CONTINUED)  
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB	TEMP LABORATORY	FIELD PH	EC	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	TDS SUM	TM NCH	SAR				
6-04																						
LA MONTANA REGION																						
MONEY LAKE VALLEY																						
07/22/75 1230	5050	29N/13E-23F01	M	58.0F 14.4C	7.4	310	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/17/75 0930	5050 5050	29N/14E-04N01	M	70.0F 21.1C	7.6 8.6	705 677	--	--	--	--	10 .33	306 5.02	--	20 .50	7.6 .12	--	--	--	43			
07/22/75 1300	5050 5050	29N/14E-17001	M	59.0F 15.0C	8.1 8.8	1080 961	7.3 .30	2.7 .22	202 8.79	5.9 .15	25 2	385 .83	79 6.31	21 1.64	10.0 .59	4.20 .16	--	646 546	29 0	16.2		
07/22/75 1200	5050	29N/14E-18R01	M	57.0F 13.9C	7.7	1250	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/22/75 1245	5050 5050	29N/14E-19A02	M	61.0F 16.1C	7.5 8.7	1700 1580	--	--	--	--	24 .80	.45 7.13	--	29 .02	95.0 1.53	--	--	--	91			
07/22/75 1310	5050 5050	29N/14E-20A03	M	66.0F 18.4C	7.5 8.7	1320 1220	--	--	--	--	30 1.00	476 7.80	--	39 1.10	40.0 .65	--	--	--	171			
07/22/75 1325	5050	29N/14E-20R01	M	56.0F 13.3C	7.8	2200	--	--	--	--	--	--	--	--	--	--	--	--	--			
17/16/75 1300	5050	29N/15E-21N01	M	62.0F 16.7C	8.2	1070	--	--	--	--	--	--	--	--	--	--	--	--	--			
07/16/75 1130	5050 5050	29N/16E-30L01	M	83.0F 28.3C	8.0 8.3	315 316	6.9 .34	1.9 .16	53 2.31	9.0 .23	0 .00	114 1.87	29 .80	17 .48	1.1 .02	.30 .16	--	213 174	25 0	4.6		
07/17/75 1100	5050 5050	30N/14E-19L01	M	63.0F 17.2C	7.1 8.4	520 451	--	--	--	--	2.0 .07	1.46 3.21	--	7.6 .21	9.8 .16	--	--	--	157			
6-05																						
TANQUE VALLEY																						
SOUTH TANQUE VALLEY																						
05/07/75 1400	5050 5050	12N/18E-03A01	M	54 F 12 C	8.5 7.2	97 100	11 .05	1.3 .11	3.5 .15	1.2 .03	0 .00	44 .72	1.0 .02	4.0 .11	3.0 .05	.00	--	81 47	32 0	0.3		
05/07/75 1300	5050 5050	12N/18E-03F01	M	45 F 7 C	8.7 7.4	114 120	13 .05	2.7 .22	3.8 .17	2.0 .05	0 .00	66 1.08	.3 .01	1.2 .03	.0 .00	.00	--	96 55	44 0	0.3		
05/07/75 0930	5050 5050	12N/18E-21001	M	43 F 6 C	7.7 7.3	76 77	7.0 .35	2.6 .21	2.5 .11	1.4 .04	0 .00	44 .72	.0 .00	.4 .01	.0 .00	.00	--	67 36	28 0	0.2		
09/03/75 1430	5050 5050	13N/18E-33R05	M	50 F 16 C	7.1 7.9	145 144	--	--	7.2 .31	--	0 .00	.82 1.34	--	.5 .01	--	--	--	58	0.4			

TABLE E-2

MINOR ELEMENT ANALYSIS OF GROUND WATER

Sampler and Lab Agency Codes

5050	-	California Department of Water Resources
5701	-	California Water Service Company

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
EC	-	Electrical conductance in micromhos at 25 <sup>o</sup> Celsius
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
CHROM (ALL)	-	All chromium
CHROM (HEX)	-	Hexavalent chromium
D	-	Dissolved
T	-	Total

TABLE E-2 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP F	ARSENIC	BARIIUM CADIUM	CONSTITUENTS IN MILLIGRAMS CHROMIUM (ALL)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
CENTRAL VALLEY REGION RIO VALLEY											
08/12/75 0855	5650		245	64.2 F 7.0	--	0.00	T	0.02 1.3	T	0.00 0.76	-- 0.00
FALL RIVER VALLEY											
08/11/75 1150	5650		225	62.0 F 8.3	--	0.00	T	0.00 0.00	T	0.00 0.00	-- 0.00
COYOTE VALLEY											
06/10/75 1630	5650		600	7.4	0.00	T	--	0.12 12.	T	0.10 0.97	-- 6.7
COLLADOMI VALLEY											
06/10/75 1315	5650		167	64 F 6.8	0.00	T	--	0.01 0.16	T	0.00 0.02	-- 0.01
SACRAMENTO VALLEY TAMAMA COUNTY											
06/05/75 1200	5650		695	71.0 F 6.8	--	0.00	T	0.02 0.05	T	0.00 0.01	-- 0.73
COLUSA COUNTY											
06/02/75 1155	5650		435	70.0 F 7.4	--	0.00	T	0.00 0.22	T	0.00 0.01	-- 0.00
YUBA COUNTY											
06/04/75 1210	5650		1040	76.0 F 7.4	--	0.00	T	0.00 0.10	T	0.00 0.79	-- 0.02
YUBA COUNTY											
06/04/75 1215	5650		288	68 F 7.1	0.00	T	--	0.00 0.02	T	0.00 0.00	-- 0.03
YUBA COUNTY											
03/05/75 5701	5701		422	62 F 7.6	--	--	--	0.00 0.00	T	-- 0.00	-- 0.00
05/20/75 5701	5701				0.002	T	0.005	0.002	T	0.000	T
YUBA COUNTY											
05/13/75 5701	5701		485	63 F 7.5	--	--	--	0.00 0.00	T	-- 0.00	-- 0.03
YUBA COUNTY											
08/19/75 5701	5701		238	62 F 7.4	--	--	--	0.00 0.04	T	-- 0.09	-- 0.03
YUBA COUNTY											
07/01/75 5701	5701		530	64 F 7.5	--	--	--	0.00 0.22	T	-- 0.95	-- 0.02
YUBA COUNTY											
08/19/75 5701	5701		544	64 F 7.5	--	--	--	0.02 0.00	T	-- 0.11	-- 0.07
YUBA COUNTY											
05/12/75 5701	5701		337	64 F 7.7	--	--	--	0.00 0.00	T	-- 0.00	-- 0.03
08/21/75 5701	5701				0.003	T	0.002	0.002	T	0.000	T
YUBA COUNTY											
05/13/75 5701	5701		425	63 F 7.4	--	--	--	0.00 0.00	T	-- 0.00	-- 0.00
YUBA COUNTY											
08/19/75 5701	5701		378	63 F 7.7	--	--	--	0.02 0.06	T	-- 0.26	-- 0.03
YUBA COUNTY											
03/05/75 5701	5701		468	62 F 7.6	--	--	--	0.00 0.00	T	-- 0.00	-- 0.00
YUBA COUNTY											
06/05/75 0715	5650		277	67 F 7.7	0.00	T	--	0.01 0.10	T	0.00 0.28	-- 0.46

TABLE E-2 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH FC	TEMP FH	ARSENIC	CONSTITUENTS IN MILLIGRAMS BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
CENTRAL VALLEY REGION SACRAMENTO VALLEY PLACER COUNTY											
5-21, 27 11N/06E-34R01 M											
06/04/75	5850			70 F		--	--	0.00 T	0.01 T	--	--
0730	5850		276	6.9	0.00 T	--	--	0.04 T	0.00 T	--	0.01 T
13N/05E-24P01 M											
06/04/75	5850			67 F		--	--	0.00 T	0.00 T	--	--
1050	5850		269	7.1	0.00 T	--	--	0.02 T	0.00 T	--	0.01 T
5-21, 29 10N/02W-26M01 M YOLO COUNTY											
06/20/75	5750			70 F		--	--	0.00 T	0.00 T	--	--
0930	5350		714	7.5	0.00 T	--	--	0.03 T	0.00 T	--	0.01 T
5-21, 11 07N/01E-14G02 M SOLANO COUNTY											
09/03/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		550	7.9	--	--	--	0.00 T	0.00 T	--	0.00 T
07N/01E-14J01 M											
06/24/75	5701			66 F		--	0.038 T	0.00 T	0.000 T	0.0005 T	--
	5701		937	8.0	--	0.000 T	--	0.00 T	0.00 T	--	0.00 T
07N/01E-23A02 M											
03/04/75	5701			66 F		--	0.034 T	0.00 T	--	--	--
	5701		1120	7.5	--	--	--	0.00 T	0.00 T	--	0.00 T
07N/01E-23A04 M											
03/04/75	5701			67 F		--	0.019 T	0.01 T	--	--	--
	5701		605	7.9	--	--	--	0.00 T	0.00 T	--	0.03 T
07N/01E-23G02 M											
06/23/75	5701			67 F		--	0.025 T	0.01 T	--	--	--
	5701		753	7.9	--	--	--	0.00 T	0.00 T	--	0.02 T
07N/01E-24C02 M											
06/23/75	5701			66 F		--	0.036 T	0.00 T	--	--	--
	5701		955	7.6	--	--	--	0.00 T	0.00 T	--	0.01 T
07N/02E-06N01 M											
05/21/75	5850			68.5 F		--	--	0.00 T	0.01 T	--	--
1130	5850		670	8.1	0.00 T	--	--	0.18 T	0.00 T	--	0.05 T

TABLE E-2 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS BARIUM CADMIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
S 5-22											
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY											
5-22-A1 01N/06E-01J01 M SAN JOAQUIN COUNTY											
04/16/75	5701		517	68 F 7.8	--	--	--	0.00 T 0.00 T	-- 0.00 T	-- --	-- 0.03 T
01N/06E-01M01 M											
05/20/75	5701		286	68 F 7.8	--	--	--	0.00 T 0.05 T	-- 0.09 T	-- --	-- 0.04 T
01N/06E-02M01 M											
05/20/75	5701		464	69 F 8.0	--	--	--	0.06 T 0.06 T	-- 0.11 T	-- --	-- 0.10 T
09/10/75	5701		447	70 F 7.7	--	--	--	0.00 T 0.04 T	-- 0.04 T	-- --	-- 0.04 T
01N/06E-02001 M											
02/13/75	5701		414	70 F 8.1	--	--	--	0.00 T 0.04 T	-- 0.10 T	-- --	-- 0.04 T
01N/06E-03C01 M											
05/20/75	5701		468	69 F 7.7	--	--	--	0.00 T 0.09 T	-- 0.11 T	-- --	-- 0.04 T
09/10/75	5701		432	69 F 7.7	0.030 T	0.000 T	0.002 T	0.00 T 0.18 T	0.000 T 0.17 T	0.000 T 0.000 T	-- 0.01 T
01N/06E-11M01 M											
01/22/75	5701		561	70 F 7.9	--	--	--	0.00 T 0.06 T	-- 0.18 T	-- --	-- 0.02 T
09/11/75	5701		553	70 F 7.3	--	--	--	0.00 T 0.12 T	-- 0.23 T	-- --	-- 0.00 T
01N/06E-12A01 M											
04/16/75	5701		371	67 F 7.9	--	--	--	0.00 T 0.00 T	-- 0.01 T	-- --	-- 0.00 T
01N/06E-12C09 M											
03/12/75	5701		512	69 F 8.1	--	--	--	0.00 T 0.09 T	-- 0.15 T	-- --	-- 0.00 T
09/10/75	5701		668	72 F 7.4	0.035 T	0.034 T 0.000 T	0.002 T	0.00 T 0.02 T	0.000 T 0.39 T	0.000 T 0.000 T	-- 0.01 T
01N/06E-12C10 M											
03/12/75	5701		446	69 F 7.8	--	--	--	0.00 T 0.08 T	-- 0.08 T	-- --	-- 0.02 T
09/11/75	5701		546	65 F 7.3	--	--	--	0.00 T 0.04 T	-- 0.15 T	-- --	-- 0.02 T
01N/06E-12C11 M											
09/10/75	5701		536	72 F 7.4	--	--	--	0.01 T 0.22 T	-- 0.22 T	-- --	-- 0.02 T
01N/06E-12F01 M											
10/22/74	5701		443	71 F 7.7	--	--	--	0.00 T 0.14 T	-- 0.10 T	-- --	-- 0.03 T
01N/06E-12K03 M											
01/22/75	5701		388	68 F 7.9	0.0220 T	--	--	0.00 T 0.08 T	-- 0.14 T	-- --	-- 0.05 T
01N/06E-12N01 M											
01/22/75	5701		615	68 F 7.8	--	--	--	0.00 T 0.08 T	-- 0.24 T	-- --	-- 0.02 T
09/11/75	5701		664	69 F 7.6	--	--	--	0.00 T 0.20 T	-- 0.38 T	-- --	-- 0.02 T
01N/06E-13G02 M											
02/13/75	5701		429	68 F 7.9	--	--	--	0.00 T 0.04 T	-- 0.15 T	-- --	-- 0.12 T
09/11/75	5701		424	67 F 7.5	--	--	--	0.00 T 0.05 T	-- 0.20 T	-- --	-- 0.00 T
01N/06E-13J01 M											
01/22/75	5701		287	66 F 7.8	0.0190 T	--	--	0.00 T 0.02 T	-- 0.14 T	-- --	-- 0.02 T

TABLE E-2 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH FEET	DISCH CM	TEMP F	PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY												
CONTINUED												
10/22/74	5701			69 F					0.01 T	--	--	--
	5701	257		7.7	--	--	--	--	0.08 T	0.00 T	--	0.01 T
03/12/75	5701			69 F					0.00 T	--	--	--
	5701	259		7.7	--	--	--	--	0.00 T	0.00 T	--	0.00 T
01N/07E-04001 M												
10/22/74	5701			71 F					0.00 T	0.00 T	0.0000 T	--
	5701					0.010 T	0.000 T	0.001 T	0.00 T	0.03 T	0.000 T	0.17 T
04/15/75	5701			69 F					0.00 T	--	--	--
	5701	205		7.9	--	--	--	--	0.01 T	0.03 T	--	0.00 T
01N/07E-05401 M												
02/13/75	5701			69 F					0.00 T	--	--	--
	5701	248		7.7	--	--	--	--	0.05 T	0.10 T	--	0.06 T
01N/07E-05N01 M												
04/16/75	5701			66 F					0.00 T	--	--	--
	5701	521		7.7	--	--	--	--	0.00 T	0.02 T	--	0.00 T
01N/07E-07E01 M												
04/16/75	5701			68 F					0.00 T	--	--	--
	5701	350		8.0	--	--	--	--	0.00 T	0.01 T	--	0.04 T
01N/07E-08F02 M												
10/22/74	5701			71 F					0.00 T	--	--	--
	5701	243		7.8	--	--	--	--	0.04 T	0.03 T	--	0.01 T
01/31/75	5701								0.00 T	0.00 T	0.0000 T	--
	5701	250		7.9	--	0.010 T	0.100 T	0.001 T	0.04 T	0.05 T	0.000 T	0.01 T
01N/07E-08M02 M												
03/12/75	5701			70 F					0.00 T	--	--	--
	5701	239		7.9	--	--	--	--	0.08 T	0.02 T	--	0.01 T
09/12/75	5701			67 F					0.00 T	--	--	--
	5701	240		7.4	--	--	--	--	0.06 T	0.03 T	--	0.05 T
01N/07E-08P01 M												
10/22/74	5701			70 F					0.00 T	--	--	--
	5701	262		7.7	--	--	--	--	0.02 T	0.02 T	--	0.03 T
02/13/75	5701			68 F					0.02 T	--	--	--
	5701	269		7.9	--	--	--	--	0.01 T	0.22 T	--	0.02 T
01N/07E-16M01 M												
01/22/75	5701			69 F					0.00 T	--	--	--
	5701	274		8.0	--	--	--	--	0.00 T	0.04 T	--	0.06 T
07/02/75	5701			69 F					0.01 T	--	--	--
	5701	268		7.9	--	--	--	--	0.00 T	0.02 T	--	0.05 T
01N/07E-17001 M												
01/22/75	5701			68 F					0.00 T	--	--	--
	5701	289		7.9	--	--	--	--	0.00 T	0.06 T	--	0.03 T
01N/07E-17002 M												
03/12/75	5701			70 F					0.00 T	--	--	--
	5701	301		7.9	--	--	--	--	0.00 T	0.06 T	--	0.00 T
07/02/75	5701			68 F					0.01 T	--	--	--
	5701	318		7.8	--	--	--	--	0.00 T	0.04 T	--	0.02 T
01N/07E-18R01 M												
04/16/75	5701			68 F					0.00 T	--	--	--
	5701	255		8.0	--	--	--	--	0.00 T	0.06 T	--	0.00 T
01N/07E-18001 M												
09/11/75	5701			68 F					0.00 T	--	--	--
	5701	280		7.6	--	--	--	--	0.05 T	0.11 T	--	0.02 T
01N/07E-18E02 M												
05/20/75	5701			70 F					0.01 T	--	--	--
	5701	278		7.7	--	--	--	--	0.14 T	0.09 T	--	0.08 T
08/21/75	5701			69 F					0.00 T	--	--	--
	5701	270		7.8	--	--	--	--	0.04 T	0.06 T	--	0.00 T
01N/07E-18E03 M												
08/21/75	5701			69 F					0.00 T	--	--	--
	5701	316		7.7	--	--	--	--	0.02 T	0.07 T	--	0.03 T
01N/07E-18L01 M												
01/22/75	5701			67 F					0.00 T	--	--	--
	5701	279		7.9	--	--	--	--	0.06 T	0.10 T	--	0.03 T

TABLE E-2 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP °F	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CALCIUM CHROMIUM (HEX)	LEAD	MANGANESE	MERCURY SELENIUM	SILVER ZINC
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY										
CONTINUED										
01/22/75	5701	5-22	66 F	--	--	0.01 T	--	--	--	--
	5701	5-22.51	428 7.6	0.0130 T	--	0.04 T	0.16 T	--	0.03 T	--
09/11/75	5701	458	66 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-21K01	458 7.5	--	--	0.10 T	0.24 T	--	0.01 T	--
05/20/75	5701	383	65 F	--	--	0.02 T	--	--	--	--
	5701	n2N/06E-22B01	383 7.6	--	--	0.10 T	0.12 T	--	0.05 T	--
09/12/75	5701	362	69 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-22B01	362 7.1	--	--	0.08 T	0.12 T	--	0.03 T	--
02/13/75	5701	458	65 F	--	--	0.004 T	0.00 T	--	--	--
	5701	n2N/06E-22B01	458 7.8	0.0025 T	--	0.00 T	0.07 T	0.0000 T	0.04 T	--
02/25/75	5701	449	8.0	0.0050 T	0.000 T	0.00 T	0.04 T	0.0000 T	0.00 T	--
	5701	n2N/06E-22B01	449 8.0	0.0050 T	0.000 T	0.00 T	0.04 T	0.0000 T	0.00 T	--
02/14/75	5701	393	8.1	0.0026 T	0.000 T	0.001 T	0.01 T	0.000 T	0.0000 T	--
	5701	n2N/06E-22B01	393 8.1	0.0026 T	0.000 T	--	0.00 T	0.06 T	0.0000 T	0.00 T
02/13/75	5701	318	68 F	--	--	--	0.00 T	--	--	--
	5701	n2N/06E-22B01	318 8.1	--	--	--	0.02 T	0.05 T	--	0.08 T
03/12/75	5701	372	66 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-22B01	372 7.9	--	--	0.00 T	0.05 T	--	--	0.02 T
09/12/75	5701	381	70 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-22B01	381 7.4	--	--	0.00 T	0.05 T	--	--	0.04 T
10/24/74	5701	382	7.8	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-22B01	382 7.8	--	--	0.01 T	0.00 T	--	--	0.00 T
04/15/75	5701	388	69 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-22B01	388 7.6	--	--	0.00 T	0.00 T	--	--	0.01 T
04/15/75	5701	360	70 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-27K01	360 7.7	--	--	0.00 T	0.05 T	--	--	0.00 T
10/23/74	5701	366	69 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-27K01	366 7.9	--	--	0.00 T	0.10 T	--	--	0.00 T
05/20/75	5701	382	65 F	--	--	0.03 T	--	--	--	--
	5701	n2N/06E-27K02	382 7.9	--	--	0.00 T	0.18 T	--	--	0.04 T
10/23/74	5701	391	69 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-27K02	391 7.8	--	--	0.02 T	0.00 T	--	--	0.06 T
02/13/75	5701	403	66 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-27L01	403 7.8	--	--	0.00 T	0.01 T	--	--	0.10 T
10/23/74	5701	0.0060 T	0.000 T	0.000 T	0.00 T	0.02 T	0.00 T	0.0000 T	0.03 T	--
	5701	n2N/06E-27P01	0.0060 T	0.000 T	0.000 T	0.00 T	0.04 T	0.000 T	0.000 T	--
08/21/75	5701	250	68 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-33A01	250 7.8	--	--	0.04 T	0.06 T	--	--	0.00 T
08/21/75	5701	270	70 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-33F01	270 7.9	--	--	0.02 T	0.05 T	--	--	0.02 T
08/21/75	5701	319	69 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-33G01	319 7.8	--	--	0.04 T	0.08 T	--	--	0.03 T
08/21/75	5701	362	68 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-33K01	362 7.6	--	--	0.16 T	0.24 T	--	--	0.01 T
09/12/75	5701	305	70 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-33M03	305 7.4	--	--	0.00 T	0.08 T	--	--	0.03 T
03/12/75	5701	310	68 F	--	--	0.00 T	--	--	--	--
	5701	n2N/06E-33M03	310 8.0	--	--	0.24 T	0.17 T	--	--	0.00 T



TABLE E-2 (CONTINUED)  
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	WISCH °C	TEMP °F	ARSENIC	CONSTITUENTS BARIUM CADIUM	IN MILLIGRAMS CHROM (ALL) CHROM (HEX)	PER LITER COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REMARKS
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY												
CONTINUED												
03/12/75	5701			67 F	--	--	--	0.00 T	--	--	--	P
	5701		481	7.7	--	--	--	0.24 T	0.17 T	--	0.00 T	E
02N/06E-34B01 M												
05/21/75	5701			67 F	--	--	--	0.04 T	--	--	--	P
	5701		517	7.7	--	--	--	0.02 T	0.00 T	--	0.01 T	E
02N/06E-34C01 M												
05/20/75	5701			67 F	--	--	--	0.00 T	--	--	--	P
	5701		239	7.7	--	--	--	0.02 T	0.13 T	--	0.04 T	E
02N/06E-34K02 M												
03/18/75	5701			7.9	0.0300 T	0.09 T	0.003 T	0.00 T	0.00 T	0.0000 T	--	P
	5701		275	7.9	0.0300 T	0.09 T	0.003 T	0.09 T	0.06 T	0.0000 T	0.01 T	E
02N/06E-34Q01 M												
03/12/75	5701			68 F	--	--	--	0.00 T	--	--	--	P
	5701		834	7.8	--	--	--	0.42 T	0.60 T	--	0.00 T	E
09/10/75	5701			69 F	--	--	--	0.01 T	--	--	--	P
	5701		573	7.6	--	--	--	0.36 T	0.51 T	--	0.02 T	E
02N/06E-35B01 M												
04/19/75	5701			68 F	--	--	--	0.00 T	--	--	--	P
	5701		382	7.9	--	--	--	0.00 T	0.04 T	--	0.00 T	E
02N/06E-36A01 M												
08/21/75	5701			68 F	--	--	--	0.04 T	--	--	--	P
	5701		378	7.4	--	--	--	0.00 T	0.00 T	--	0.06 T	E
09/11/75	5701			65 F	--	--	--	0.00 T	--	--	--	P
	5701		378	7.5	--	--	--	0.00 T	0.01 T	--	0.03 T	E
02N/06E-36F01 M												
12/20/74	5701			68 F	--	--	--	0.01 T	--	--	--	P
	5701		218	7.6	--	--	--	0.04 T	0.15 T	--	0.01 T	E
02N/06E-36G01 M												
04/11/75	5701			67 F	--	0.10 T	0.003 T	0.00 T	0.00 T	0.000 T	--	P
	5701		249	7.9	0.007 T	0.09 T	0.003 T	0.00 T	0.03 T	0.000 T	0.00 T	E
02N/06E-36N03 M												
08/21/75	5701			68 F	--	--	--	0.00 T	--	--	--	P
	5701		412	7.6	--	--	--	0.00 T	0.00 T	--	0.01 T	E
02N/06E-36R03 M												
07/02/75	5701			70 F	--	--	--	0.01 T	--	--	--	P
	5701		395	7.5	--	--	--	0.00 T	0.01 T	--	0.03 T	E
02S/06E-20K01 M												
11/08/74	5050			68.5F	--	--	--	--	--	--	--	E
	1644	5050	746	8.0	--	--	--	0.08 T	0.12 T	--	--	E
02S/06E-20K02 M												
11/28/74	5050			70 F	--	--	--	--	--	--	--	E
	1515	5050	2780	8.0	--	--	--	1.2 T	0.22 T	--	--	E
02S/06E-20L01 M												
11/08/74	5050			72 F	--	--	--	--	--	--	--	E
	1730	5050	1470	8.0	--	--	--	1.1 T	0.10 T	--	--	E
02S/06E-20R01 M												
11/08/74	5050			68 F	--	--	--	--	--	--	--	E
	1615	5050	881	7.9	--	--	--	0.14 T	0.16 T	--	--	E
02S/06E-20R03 M												
11/08/74	5050			68.5F	--	--	--	--	--	--	--	E
	1634	5050	810	8.0	--	--	--	0.84 T	0.19 T	--	--	E
02S/06E-20S01 M												
06/24/75	5050			7.5	0.00 T	--	--	0.00 T	0.0 T	--	--	E
	1230	5050	1300	7.5	0.00 T	--	--	0.09 T	0.00 T	--	1.2 T	E
LAMONTAN REGION SURPRISE VALLEY												
08/14/75	5050			59.0F	--	0.00 T	--	0.00 T	0.00 T	--	0.00 T	E
	0930	5050	320	7.2	--	0.00 T	--	0.11 T	0.00 T	--	0.00 T	E
02S/06E-20M01 M												
08/15/75	5050			53.0F	--	0.00 T	--	0.01 T	0.00 T	--	--	E
	0915	5050	1075	7.2	--	0.00 T	--	0.00 T	0.01 T	--	0.07 T	E

TABLE E-3  
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

Sampler and Lab Agency Codes

5050 - California Department of Water Resources  
5701 - California Water Service Company

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock  
EC - Electrical conductance in micromhos at 25<sup>0</sup> Celsius  
TEMP - Water temperature at time of sampling in degrees  
Fahrenheit (F) and Celsius (C)  
PH - Measure of acidity (<7) or alkalinity (>7) of water  
D - Dissolved  
T - Total

TABLE E-3 (CONTINUED)  
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PM	ALUMINUM	ANTIMONY	BERYLLIUM	CORAL	PER LITER GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STHONTIUM	TITANIUM VANADIUM
CENTRAL VALLEY REGION SACRAMENTO VALLEY YUBA COUNTY												
03/05/75	5701		62 F		--	--	--	--	--	0.001 T	--	--
	5701		422 7.6		--	--	--	--	--	--	0.24 T	--
		15N/03E-13J01	M									
05/13/75	5701		63 F		--	--	--	--	--	0.000 T	--	--
	5701		485 7.5		--	--	--	--	--	--	0.33 T	--
		15N/03E-13J03	M									
08/19/75	5701		62 F		--	--	--	--	--	0.000 T	--	--
	5701		238 7.4		--	--	--	--	--	--	0.14 T	--
		15N/03E-13N01	M									
07/01/75	5701		64 F		--	--	--	--	--	0.000 T	--	--
	5701		530 7.5		--	--	--	--	--	--	0.40 T	--
		15N/03E-14J03	M									
08/19/75	5701		64 F		--	--	--	--	--	0.002 T	--	--
	5701		544 7.5		--	--	--	--	--	--	0.36 T	--
		15N/04E-07L01	M									
05/12/75	5701		64 F		--	--	--	--	--	0.004 T	--	--
	5701		337 7.7		--	--	--	--	--	--	0.22 T	--
		15N/04E-07M02	M									
05/13/75	5701		63 F		--	--	--	--	--	0.000 T	--	--
	5701		425 7.4		--	--	--	--	--	--	0.30 T	--
		15N/04E-18C01	M									
08/19/75	5701		63 F		--	--	--	--	--	0.000 T	--	--
	5701		378 7.7		--	--	--	--	--	--	0.24 T	--
		15N/04E-18D01	M									
03/05/75	5701		62 F		--	--	--	--	--	0.002 T	--	--
	5701		468 7.6		--	--	--	--	--	--	0.28 T	--
		17N/01E-14G02	M									
09/03/75	5701		68 F		--	--	--	--	--	0.18 T	--	--
	5701		550 7.9		--	--	--	--	--	--	0.62 T	--
		17N/01E-14J01	M									
06/24/75	5701		66 F		--	--	--	--	--	0.042 T	--	--
	5701		937 8.1		--	--	--	--	--	--	0.70 T	--
		17N/01E-23A02	M									
03/04/75	5701		66 F		--	--	--	--	--	0.042 T	--	--
	5701		1120 7.5		--	--	--	--	--	--	0.74 T	--
		17N/01E-23A04	M									
03/04/75	5701		67 F		--	--	--	--	--	0.040 T	--	--
	5701		605 7.9		--	--	--	--	--	--	0.58 T	--
		17N/01E-23G02	M									
06/23/75	5701		67 F		--	--	--	--	--	0.034 T	--	--
	5701		753 7.9		--	--	--	--	--	--	0.62 T	--
		17N/01E-24C02	M									
06/23/75	5701		66 F		--	--	--	--	--	0.146 T	--	--
	5701		955 7.6		--	--	--	--	--	--	0.74 T	--

TABLE E-3 (CONTINUED)  
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	OISC EC	TEMP PH	ALUMINUM	CONSTITUENTS IN ANTIMONY BERYLLIUM	IN MILLIGRAMS ARSENIC COPPER	PER LITER GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY											
04/18/75	5701		517	68 F 7.8	--	--	--	--	0.006 T	--	--
	5701				--	--	--	--	--	0.56 T	--
N1N/06E-01M01 M											
05/20/75	5701		296	68 F 7.8	--	--	--	--	0.004 T	--	--
	5701				--	--	--	--	--	0.14 T	--
N1N/06E-02M01 M											
05/20/75	5701		464	69 F 8.6	--	--	--	--	0.004 T	--	--
	5701				--	--	--	--	--	0.08 T	--
09/10/75	5701		447	70 F 7.7	--	--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.00 T	--
N1N/06E-02Q01 M											
02/13/75	5701		414	70 F 8.1	--	--	--	--	0.000 T	--	--
	5701				--	--	--	--	--	0.10 T	--
N1N/06E-03C01 M											
05/20/75	5701		468	69 F 7.7	--	--	--	--	0.004 T	--	--
	5701				--	--	--	--	--	0.12 T	--
09/10/75	5701		432	69 F 7.7	--	--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.10 T	--
N1N/06E-11K01 M											
01/22/75	5701		561	70 F	--	--	--	--	0.005 T	--	--
	5701				--	--	--	--	--	0.16 T	--
09/11/75	5701		553	70 F 7.3	--	--	--	--	0.004 T	--	--
	5701				--	--	--	--	--	0.12 T	--
N1N/06E-12A01 M											
04/16/75	5701		371	67 F 7.9	--	--	--	--	0.000 T	--	--
	5701				--	--	--	--	--	0.14 T	--
N1N/06E-12C01 M											
09/11/75	5701		546	65 F 7.3	--	--	--	--	0.006 T	--	--
	5701				--	--	--	--	--	0.48 T	--
N1N/06E-12C09 M											
03/12/75	5701		512	69 F 8.1	--	--	--	--	0.006 T	--	--
	5701				--	--	--	--	--	0.14 T	--
09/10/75	5701		668	72 F 7.4	--	--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.36 T	--
N1N/06E-12C10 M											
03/12/75	5701		446	69 F 7.8	--	--	--	--	0.008 T	--	--
	5701				--	--	--	--	--	0.42 T	--
N1N/06E-12C11 M											
09/10/75	5701		536	72 F 7.4	--	--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.12 T	--
N1N/06E-12F01 M											
10/22/74	5701		443	71 F 7.7	--	--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.08 T	--
N1N/06E-12K03 M											
01/22/75	5701		388	68 F 7.9	--	--	--	--	0.005 T	--	--
	5701				--	--	--	--	--	0.26 T	--
N1N/06E-12N01 M											
01/22/75	5701		615	68 F 7.8	--	--	--	--	0.005 T	--	--
	5701				--	--	--	--	--	0.30 T	--
09/11/75	5701		664	69 F 7.6	--	--	--	--	0.004 T	--	--
	5701				--	--	--	--	--	0.32 T	--
N1N/06E-13002 M											
02/13/75	5701		479	68 F 7.9	--	--	--	--	0.000 T	--	--
	5701				--	--	--	--	--	0.26 T	--
09/11/75	5701		424	67 F 7.5	--	--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.28 T	--

TABLE E-3 (CONTINUED)  
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	OSCH FC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS ANTIMONY PERYLLIUM	RISMUTH COBALT	PER LITER GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY											
CONTINUED											
01/22/75	5701			66 F	--	--	--	--	0.004 T	--	--
	5701		287	7.8	--	--	--	--	--	0.18 T	--
MIN/07E-04F01 M											
10/22/74	5701			69 F	--	--	--	--	0.002 T	--	--
	5701		257	7.7	--	--	--	--	--	0.20 T	--
03/12/75	5701			69 F	--	--	--	--	0.000 T	--	--
	5701		259	7.7	--	--	--	--	--	0.22 T	--
MIN/07E-04G01 M											
10/22/74	5701			71 F	--	--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.17 T	--
04/15/75	5701			69 F	--	--	--	--	0.000 T	--	--
	5701		205	7.9	--	--	--	--	--	0.10 T	--
MIN/07E-05A01 M											
02/13/75	5701			69 F	--	--	--	--	0.000 T	--	--
	5701		248	7.7	--	--	--	--	--	0.20 T	--
MIN/07E-05N01 M											
04/16/75	5701			66 F	--	--	--	--	0.002 T	--	--
	5701		521	7.7	--	--	--	--	--	0.52 T	--
MIN/07E-07E01 M											
04/16/75	5701			68 F	--	--	--	--	0.006 T	--	--
	5701		358	8.0	--	--	--	--	--	0.32 T	--
MIN/07E-08F02 M											
10/22/74	5701			71 F	--	--	--	--	0.002 T	--	--
	5701		243	7.8	--	--	--	--	--	0.05 T	--
01/31/75	5701				--	--	--	--	0.002 T	--	--
	5701		250	7.0	--	--	--	--	--	0.05 T	--
MIN/07E-08H02 M											
03/12/75	5701			70 F	--	--	--	--	0.000 T	--	--
	5701		239	7.9	--	--	--	--	--	0.02 T	--
09/12/75	5701			67 F	--	--	--	--	0.000 T	--	--
	5701		240	7.4	--	--	--	--	--	0.06 T	--
MIN/07E-08PH1 M											
10/22/74	5701			70 F	--	--	--	--	0.002 T	--	--
	5701		262	7.7	--	--	--	--	--	0.11 T	--
02/13/75	5701			68 F	--	--	--	--	0.002 T	--	--
	5701		269	7.9	--	--	--	--	--	0.10 T	--
MIN/07E-16M01 M											
01/22/75	5701			69 F	--	--	--	--	0.000 T	--	--
	5701		274	8.0	--	--	--	--	--	0.08 T	--
07/02/75	5701			69 F	--	--	--	--	0.002 T	--	--
	5701		268	7.9	--	--	--	--	--	0.11 T	--
MIN/07E-17001 M											
01/22/75	5701			68 F	--	--	--	--	0.002 T	--	--
	5701		289	7.9	--	--	--	--	--	0.12 T	--
MIN/07E-17002 M											
03/12/75	5701			70 F	--	--	--	--	0.000 T	--	--
	5701		301	7.9	--	--	--	--	--	0.16 T	--
07/02/75	5701			68 F	--	--	--	--	0.002 T	--	--
	5701		318	7.8	--	--	--	--	--	0.18 T	--
MIN/07E-18R01 M											
04/16/75	5701			68 F	--	--	--	--	0.000 T	--	--
	5701		255	8.0	--	--	--	--	--	0.14 T	--
MIN/07E-18D01 M											
09/11/75	5701			68 F	--	--	--	--	0.002 T	--	--
	5701		280	7.6	--	--	--	--	--	0.12 T	--
MIN/07E-18E02 M											
05/20/75	5701			70 F	--	--	--	--	0.004 T	--	--
	5701		278	7.7	--	--	--	--	--	0.12 T	--
08/21/75	5701			69 F	--	--	--	--	0.000 T	--	--
	5701		270	7.8	--	--	--	--	--	0.12 T	--
MIN/07E-18E03 M											
08/21/75	5701			69 F	--	--	--	--	0.002 T	--	--
	5701		316	7.7	--	--	--	--	--	0.14 T	--

TABLE 2-3 (CONTINUED)  
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS ANTIMONY GERYLLIUM	PER LITER RISMUTH CORALT	GALLIUM JERMANIUM	LITHIUM MOLYBDEUM	NICKEL STRONTIUM	TITANIUM VANADIUM
CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY											
CONTINUED											
01/22/75	5701		67	F	--	--	--	--	0.002	T	--
	5701	279	7.9		--	--	--	--	--	0.10	T
01N/07E-18L01 M											
01/22/75	5701		66	F	--	--	--	--	0.004	T	--
	5701	428	7.6		--	--	--	--	--	0.30	T
01N/07E-30E01 M											
09/11/75	5701		66	F	--	--	--	--	0.002	T	--
	5701	458	7.5		--	--	--	--	--	0.32	T
02N/06E-21K01 M											
05/20/75	5701		65	F	--	--	--	--	0.008	T	--
	5701	393	7.6		--	--	--	--	--	0.44	T
02N/06E-22H01 M											
09/12/75	5701		69	F	--	--	--	--	0.004	T	--
	5701	362	7.1		--	--	--	--	--	0.40	T
02N/06E-22H01 M											
02/13/75	5701		65	F	--	--	--	--	0.000	T	--
	5701	458	7.8		--	--	--	--	--	0.53	T
02N/06E-22H01 M											
02/25/75	5701		66	F	--	--	--	--	0.012	T	--
	5701	449	8.1		--	--	--	--	--	0.52	T
02N/06E-22E01 M											
02/14/75	5701		66	F	--	--	--	--	0.004	T	--
	5701	393	8.1		--	--	--	--	--	0.46	T
02N/06E-22G01 M											
02/13/75	5701		68	F	--	--	--	--	0.002	T	--
	5701	318	8.1		--	--	--	--	--	0.28	T
02N/06E-22G01 M											
03/12/75	5701		66	F	--	--	--	--	0.005	T	--
	5701	372	7.9		--	--	--	--	--	0.44	T
02N/06E-22G02 M											
09/12/75	5701		70	F	--	--	--	--	0.000	T	--
	5701	381	7.4		--	--	--	--	--	0.40	T
02N/06E-22G02 M											
10/24/74	5701		66	F	--	--	--	--	0.002	T	--
	5701	382	7.8		--	--	--	--	--	0.34	T
02N/06E-22H01 M											
04/15/75	5701		69	F	--	--	--	--	0.002	T	--
	5701	388	7.6		--	--	--	--	--	0.40	T
02N/06E-27H01 M											
04/15/75	5701		70	F	--	--	--	--	0.004	T	--
	5701	360	7.7		--	--	--	--	--	0.36	T
02N/06E-27K01 M											
10/23/74	5701		69	F	--	--	--	--	0.002	T	--
	5701	366	7.9		--	--	--	--	--	0.36	T
02N/06E-27K02 M											
05/20/75	5701		65	F	--	--	--	--	0.004	T	--
	5701	382	7.9		--	--	--	--	--	0.40	T
02N/06E-27K02 M											
10/23/74	5701		69	F	--	--	--	--	0.004	T	--
	5701	391	7.8		--	--	--	--	--	0.36	T
02N/06E-27L01 M											
02/13/75	5701		66	F	--	--	--	--	0.002	T	--
	5701	403	7.8		--	--	--	--	--	0.38	T
02N/06E-27L01 M											
10/23/74	5701		66	F	--	--	--	--	0.000	T	--
	5701				--	--	--	--	--	0.18	T
02N/06E-27P01 M											
08/21/75	5701		68	F	--	--	--	--	0.002	T	--
	5701	250	7.8		--	--	--	--	--	0.14	T
02N/06E-33A01 M											
08/21/75	5701		70	F	--	--	--	--	0.002	T	--
	5701	270	7.9		--	--	--	--	--	0.08	T
02N/06E-33F01 M											
08/21/75	5701		69	F	--	--	--	--	0.004	T	--
	5701	319	7.8		--	--	--	--	--	0.12	T
02N/06E-33D01 M											
08/21/75	5701		68	F	--	--	--	--	0.004	T	--
	5701	362	7.6		--	--	--	--	--	0.30	T
02N/06E-33K01 M											
09/12/75	5701		70	F	--	--	--	--	0.000	T	--
	5701	305	7.4		--	--	--	--	--	0.14	T

TABLE E-3 (CONTINUED)  
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB DEPTH	DISCH FC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS ANTIMONY BERYLLIUM	IN MILLIGRAMS RISMUTH COBALT	PER LITER GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
	5 5-22 5-22.01 02N/06E-33M03				CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY					
									CONTINUED	
03/12/75	5701		68 F	--	--	--	--	0.004 T	--	--
	5701	310	8.0	--	--	--	--	--	0.15 T	--
	02N/06E-33M01									
03/12/75	5701		67 F	--	--	--	--	0.004 T	--	--
	5701	481	7.7	--	--	--	--	--	0.44 T	--
	02N/06E-34M01									
05/21/75	5701		67 F	--	--	--	--	0.006 T	--	--
	5701	517	7.7	--	--	--	--	--	0.50 T	--
	02N/06E-34C01									
05/20/75	5701		67 F	--	--	--	--	0.004 T	--	--
	5701	239	7.7	--	--	--	--	--	0.16 T	--
	02N/06E-34K02									
03/18/75	5701			--	--	--	--	0.010 T	--	--
	5701	275	7.9	--	--	--	--	--	0.12 T	--
	02N/06E-34Q01									
03/12/75	5701		68 F	--	--	--	--	0.004 T	--	--
	5701	334	7.8	--	--	--	--	--	0.80 T	--
09/10/75	5701		69 F	--	--	--	--	0.002 T	--	--
	5701	573	7.6	--	--	--	--	--	0.44 T	--
	02N/06E-35B01									
04/19/75	5701		68 F	--	--	--	--	0.004 T	--	--
	5701	382	7.9	--	--	--	--	--	0.40 T	--
	02N/06E-36A01									
08/21/75	5701		68 F	--	--	--	--	0.002 T	--	--
	5701	378	7.4	--	--	--	--	--	0.40 T	--
09/11/75	5701		65 F	--	--	--	--	0.002 T	--	--
	5701	378	7.5	--	--	--	--	--	0.40 T	--
	02N/06E-36D01									
04/15/75	5701		70 F	--	--	--	--	0.002 T	--	--
	5701	335	7.7	--	--	--	--	--	0.36 T	--
	02N/06E-36F01									
12/20/74	5701		68 F	--	--	--	--	0.000 T	--	--
	5701	218	7.6	--	--	--	--	--	0.28 T	--
	02N/06E-36G01									
04/11/75	5701		67 F	--	--	--	--	0.002 T	--	--
	5701	249	7.9	--	--	--	--	--	0.22 T	--
	02N/06E-36H03									
08/21/75	5701		68 F	--	--	--	--	0.002 T	--	--
	5701	412	7.6	--	--	--	--	--	0.42 T	--
	02N/06E-36R03									
07/02/75	5701		70 F	--	--	--	--	0.004 T	--	--
	5701	395	7.5	--	--	--	--	--	0.42 T	--



## Appendix F

### WASTE WATER DATA .

Appendix F, "Waste Water Data", which appeared in certain volumes of the Bulletin No. 130 series, has been discontinued. For information regarding waste water, the reader is referred to the recently reactivated Bulletin No. 68 series: "Inventory of Waste Water Production and Waste Water Reclamation Practices in California".

Please note the data presented in Bulletin No. 68 are on a calendar year basis rather than a water year basis as is the case in Bulletin No. 130.



















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